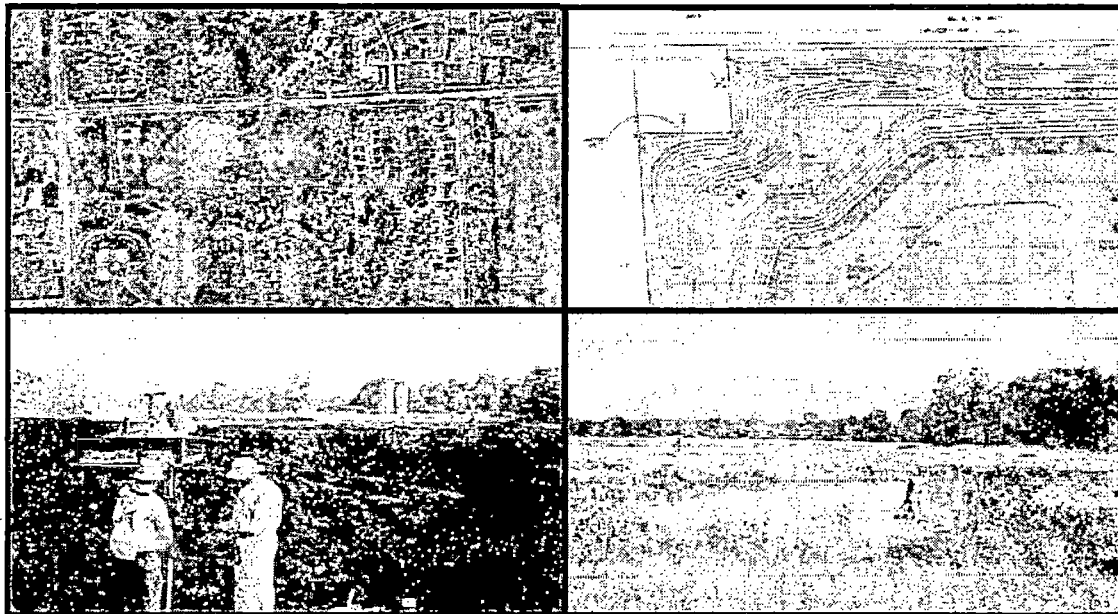


Phase I Environmental Site Assessment
Parcel 64-14-29-276-037
Pontiac, Michigan

Premier Realty, LLC
235 N. Saginaw Associates, L.L.C.

May 7, 2012

ASTI ENVIRONMENTAL



ASTi
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Pontiac, Michigan

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Report Prepared For:

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Executive Summary

ASTI Environmental (ASTI) was retained by Oakland County and Premier Realty, LLC to conduct a Phase I Environmental Site Assessment (ESA) of Parcel 64-14-29-276-037 in Pontiac, Oakland County, Michigan (Property). The ESA was conducted in accordance with ASTM Practice E 1527-05. The information and opinions rendered in this report are exclusively for reliance by Oakland County, Premier Realty, LLC, and 235 N. Saginaw Associates, L.L.C. ASTI will not distribute or publish this report without the consent of Oakland County and/or Premier Realty, LLC, except as required by law or court order. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made. This Phase I ESA is to be used by 235 N. Saginaw Associates, L.L.C. to qualify for one of three Landowner Liability Protections (Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner on CERCLA Liability), for a property transaction. The assessment is being conducted using the Oakland County Hazardous Substance Grant according to the EPA-approved Quality Assurance Project Plan.

The Phase I ESA included (1) a site inspection on April 17, 2012, (2) interviews with knowledgeable site contacts, (3) review of pertinent Michigan Department of Environmental Quality (DEQ), Oakland County, and City of Pontiac records, (4) acquisition and review of a federal and state database search, and (5) review of historical aerial photographs and city directories.

No testing or sampling of materials (for example, soil, water, and air) was included in this assessment. Access to the Property was not limited at the time of the assessment, except for thick vegetation on the northeast portion of the Property.

Two data gaps were encountered during the investigation: lack of an interview with the prior owner(s)/occupants of the Property and inability to identify the first date of development on the Property.

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of Parcel 64-14-29-276-037 in Pontiac, Oakland County, Michigan, referred to as the "Property". Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property. No additional investigation is recommended.

1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Oakland County and Premier Realty, LLC to conduct a Phase I Environmental Site Assessment (ESA) of Parcel 64-14-29-276-037 in Pontiac, Oakland County, Michigan (Property). The Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (E 1527-05).

1.1 Purpose

The assessment was conducted to identify recognized environmental conditions (RECs) associated with the historical uses of the Property, current site operations, and the condition of surrounding properties. This Phase I ESA is to be used by 235 N. Saginaw Associates, L.L.C. to qualify for one of three Landowner Liability Protections (Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner on CERCLA Liability), for a property transaction. The assessment is being conducted using the Oakland County Hazardous Substance Grant according to the EPA-approved Quality Assurance Project Plan.

According to ASTM Practice E 1527-05, the term *recognized environmental condition* means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions. A *historical recognized environmental condition* is defined as an environmental condition which in the past would have been considered to be a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

1.2 Detailed Scope of Services

Information required to complete the ESA was obtained from personal interviews and review of practically reviewable and reasonably ascertainable records. Informational sources include the following:

- User questionnaire;
- FOIA request and response from the Oakland County Health Division;
- information from the Michigan Department of Environmental Quality (DEQ);
- available records maintained by the Oakland County Equalization Department and the City of Pontiac;
- aerial photographs;
- city directories; and
- The EDR Radius Map Report with GeoCheck (4-18-12).

Brian Kuberski, Site Assessor and Environmental Professional (EP), inspected the Property on April 17, 2012. Carey Kratz, Project Manager and EP, completed the Phase I ESA report. Copies of Mr. Kuberski's and Ms. Kratz's resumes are provided as Appendix A.

1.3 Significant Assumptions

Information obtained during this assessment, to the extent it was relied on to form our opinion, was assumed to be complete and accurate. ASTI cannot be held responsible for the quality or content of information obtained from interviews and standard sources.

1.4 Limitations and Exceptions

The information and opinions included in this report were given in response to a limited scope of work, being a Phase I ESA per ASTM Practice E 1527-05, and should be considered and implemented only in light of that particular scope of work. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

No testing or sampling of materials (for example, soil, water, air) was included in this assessment. No limitations were placed on ASTI's access to the Property, except for thick vegetation on the northeast portion of the Property. Weather conditions included seasonal

temperatures and were not considered to be a limiting factor when evaluating Property conditions.

1.5 Special Terms and Conditions

The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E 1527-05. No special terms and conditions outside ASTM Practice E 1527-05 have been addressed. The assessment is being conducted using the Oakland County Hazardous Substance Grant according to the EPA-approved Quality Assurance Project Plan.

1.6 User Reliance

The Phase I ESA was performed for the benefit of Oakland County, Premier Realty, LLC, and 235 N. Saginaw Associates, L.L.C., and ASTI acknowledges that said parties may rely on the contents and conclusions presented in this report. ASTI acknowledges the fact that the scope of work was sufficient in ASTI's opinion to uncover, to the extent of ASTI's services, potential environmental liabilities at the Property.

This effort was performed per authorization of Brad Hansen, Environmental Program Coordinator with Oakland County (Grant Number BF-OOE923-01 Work Order No. 60) and Premier Realty, LLC. The information and opinions rendered in this report are exclusively for use by Oakland County, Premier Realty, LLC, and 235 N. Saginaw Associates, L.L.C. ASTI will not distribute or publish this report without the consent of Oakland County and/or Premier Realty, LLC, except as required by law or court order.

Any use a third party makes of this report, or any reliance upon it, or any decisions based on it, is the sole responsibility of the third party. A third party is not afforded the status of a third party beneficiary unless ASTI expressly agrees to such status in writing. ASTI has no responsibility for any damages that may be suffered by a third party as a result of any decision made, or action taken by a third party, based on this report.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The Property (1.10 acres) is located on the east side of N. Saginaw and north side of Business I-75 (Wide Track) in Section 29 (T3N-R10E), Pontiac, Oakland County, Michigan. A Site Location Map is provided as Appendix B. The Property is assigned Parcel Number 64-14-29-276-037. A copy of the assessment record is provided in Appendix C.

2.2 Site and Vicinity General Characteristics

The Property consists of undeveloped land. The Property is located in an area of mixed residential and commercial uses. A Site Features Map is included as Appendix D.

The Property is zoned P-1, Parking District. Photographs of the Property and adjoining properties were taken during the site inspection and are provided as Appendix E.

2.3 Current Use of the Property

The Property has no current use.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

The Property consists of undeveloped land. A small, gravel drive is located on the southwest portion of the Property. A concrete drain was observed on the southeast portion of the Property. An area of vegetation is located on the northeast portion of the Property. A former foundation was observed on the southwest portion of the Property.

Municipal water and sewer services are provided to the Property area by the City of Pontiac. DTE Energy and Consumers Energy are the providers of electrical and natural gas services to the City of Pontiac. Consumers Energy Sims records were reviewed and listings were found for 224 N. Saginaw (1939 line cut and plugged at main), 230 N. Saginaw (1963 line cut and plugged at main), 236 N. Saginaw (undated line cut and plugged at main), 242 N. Saginaw (1977 line cut and plugged at main and another undated line removed), 246 N. Saginaw (undated line cut and plugged at main), and 250-252 N. Saginaw (1973 and 1974 lines).

2.5 Current Uses of Adjoining Properties

ASTI observed adjoining properties during the site inspection to evaluate the potential risk these properties may pose to the Property. Observations were made from the Property and public access areas, as appropriate. Each is described as follows.

North	Undeveloped land
South	Beyond Business I-75 is undeveloped land
East	Residential and a small apartment building
West	Residential and State of Michigan Department of Human Resources at 235 N. Saginaw

No chemical storage, stained areas, stressed vegetation, or signs of material spillage were observed along the property lines between the Property and adjoining properties. No USTs, ASTs, pits, ponds, or lagoons were observed on the adjoining properties. No visible evidence of the disposal of hazardous substances or petroleum was observed on the adjoining properties.

3.0 USER PROVIDED INFORMATION

Jeffrey J. Kahan of Premier Realty, LLC/235 N. Saginaw Associates, L.L.C. completed a User Questionnaire on May 3, 2012. A copy of the User Questionnaire is provided as Appendix F.

3.1 Title Records

Premier Realty, LLC/235 N. Saginaw Associates, L.L.C. did not provide ASTI with title records for the Property.

3.2 Environmental Liens or Activity and Use Limitations

Premier Realty, LLC/235 N. Saginaw Associates, L.L.C. has not provided ASTI with any information regarding environmental liens or activity and use limitations on the Property.

3.3 Specialized Knowledge

Premier Realty, LLC/235 N. Saginaw Associates, L.L.C. does not have any specialized knowledge or experiences related to the nearby properties.

3.4 Commonly Known or Reasonably Ascertainable Information

Premier Realty, LLC/235 N. Saginaw Associates, L.L.C. is not aware of commonly known or reasonably ascertainable information about the Property that would help ASTI to identify conditions indicative of releases or threatened releases.

3.5 Valuation Reduction for Environmental Issues

ASTI has not been provided with an appraisal for the Property. However, according to Premier Realty, LLC/235 N. Saginaw Associates, L.L.C., the purchase price paid for this Property does reasonably reflect the fair market value of the Property.

3.6 Owner, Property Manager, and Occupant Information

The Property is owned by the City of Pontiac Economic Development Council.

3.7 Reason for Performing Phase I ESA

The purpose of this Phase I ESA was to identify existing or potential recognized environmental conditions (as defined by ASTM Standard E-1527-05) in connection with the Property and to qualify for one of the Landowner Liability Protections (LLPs) offered by the

Small Business Liability Relief and Brownfield's Revitalization Action of 2001 (the "Brownfields Amendments"). ASTI understands that the findings of this study will be used for a Property transaction.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

ASTI ordered a government records search for the Property from Environmental Data Resources, Inc. (EDR) in Milford, Connecticut. A copy of The EDR Radius Map Report with GeoCheck® report, dated April 18, 2012, is included in Appendix G. A description of the databases, search distances, and results are presented in the report.

4.1.1 Federal Databases

The Property is not included on any of the researched federal environmental databases.

National Priorities List

No National Priorities List (NPL) sites were identified within a 1-mile radius of the Property. No delisted NPL sites were identified within a ½-mile radius of the Property.

Comprehensive Environmental Response, Compensation, and Liability Information System

No active Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites were identified within a ½-mile radius of the Property. No CERCLIS-NFRAP (no further remedial action planned) sites were identified within a ½-mile radius of the Property.

Resource Conservation and Recovery Information System

No sites adjoining the Property were identified as RCRA generators.

No RCRA CORRACTS (corrective action) sites were identified within a 1-mile radius of the Property.

Emergency Response Notification System Data

The Property was not identified in the Emergency Response Notification System (ERNS) database.

Federal Institutional Control/Engineering Control Registry

The Property was not identified in any federal institutional control/engineering control registries.

4.1.2 State Databases

The Property was identified as a Brownfield site identified as Widetrack Drive and N. Saginaw and a deleted SHWS site. ASTI reviewed the DEQ project file for the Property at the Warren District Office on May 2, 2012. Select copies from the file are provided in Appendix H.

In 2000, a Request for Proposal (RFP) was issued for Lots 4, 5, 6, 7, & 8 on the Property to conduct a remedial investigation. No known environmental conditions had been discovered at the time the RFP was issued. The property was vacant and grass covered. DLZ Michigan, Inc. (DLZ) was awarded the contract. In July 2000, 10 borings to a depth of eight feet below ground surface (bgs) were completed. Groundwater was encountered at four locations. Sampling consisted of 16 soil samples and four groundwater samples. Sample analysis included volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), polychlorinated biphenyls (PCBs), and 10 Michigan metals. No PID readings above background were detected and no visible signs of contamination was found. All constituents were below applicable criteria, with exception of arsenic. Arsenic was present in one sample at 9,500 ug/Kg, which was above the direct contact criteria of 7,600 ug/Kg. Since there was no evidence of localized contamination, the arsenic data was analyzed to determine the 95% Upper Confidence Limit (UCL). This was determined to be 5,950 ug/Kg, below the applicable criteria. The investigation did not find any evidence that the Property was a facility and there was no other information available to indicate contamination was present. A project closeout was approved and the property was delisted from the database.

State Hazardous Waste Sites

Three SHWSs were identified within a 1-mile radius of the Property.

Paddock & M-59 Drums is located approximately 0.52 mile east of the Property. An interim response was conducted with no further activities anticipated. Asphalt Specialist at 1908 Wide Track Drive is located approximately 0.54 mile south-southeast of the Property. The site has been delisted. City of Pontiac at 55 Wessen Street is located 0.80 mile south of the Property. An interim response has been conducted. Based on their distances and site statuses, the listed SHWSs represent minimal environmental risk.

No State CERCLIS sites were identified within a ½-mile radius of the Property.

Landfill/Solid Waste Disposal

No Landfill or Solid Waste Disposal sites were identified within a ½-mile radius of the Property.

Leaking Underground Storage Tank List

Eleven Michigan Leaking Underground Storage Tank (LUST) sites were identified within a ½-mile radius of the Property.

ID	Name	Address	Distance/Direction	Status
2	Voorhees Siple Funeral Home	268 N. Perry	0.17 mile/ENE	Closed
A3	Lafayette Place Lofts	149 N. Perry	0.17 mile/SSE	Open
9	GMC	65 E. University	0.26 mile/SE	Open/Closed
14	AT&T Michigan	54 N. Mill	0.38 mile/SSE	Closed
16	OIC Of Oakland County	62-64 W. Lawrence	0.41 mile/S	Closed
17	Former Forters Auto Wash	149 W. Huron	0.44 mile/SSW	Open
18	City of Pontiac	216 W. University	0.44 mile/E	Closed
19	Salvation Army Adult Rehab	117 W. Lawrence	0.46 mile/SSW	Closed
20	Oakland Auto Supply	50606 Woodward	0.46 mile/S	Closed
B22	Michigan Natl. Corp.	40 W. Pike	0.47 mile/S	Open
C24	Servicar of Michigan	307 Cesar E. Chavez	0.47 mile/WNW	Closed

Based on their distances, locations inferred to be downgradient or cross-gradient, and/or closed LUST status, these sites represent minimal environmental risk to the Property.

Registered Underground Storage Tank List

According to EDR, no UST sites were identified adjoining the Property.

Baseline Environmental Assessments (BEA)

No BEA sites were identified adjoining the Property.

Institutional Control/Engineering Control Registries

No institutional control or engineering control registry sites were identified on the Property.

Voluntary Cleanup Sites

No voluntary cleanup sites were identified within a ½-mile radius of the Property.

State Brownfield Sites

No State Brownfield sites were identified within a ½-mile radius of the Property.

Orphan Sites

Opdyke & Auburn Drums is not located within a 1-mile radius of the Property. The former Clark Station at 447 S. Saginaw appears to be outside the ½-mile radius of the Property. Wide Track E. of Saginaw is inclusive of the Property and is discussed above.

4.2 Additional Environmental Record Sources

Michigan Oil & Gas Wells

ASTI found no documentation pertaining to oil and gas wells located on or adjoining the Property.

State, County, and Municipal Records

Information was requested from the Oakland County Health Division regarding the Property. A response was received dated April 16, 2012 (Appendix I) indicating that no information was found with regard to sewage disposal permits, water well logs, water well permits, or groundwater monitoring.

A FOIA request was sent to the City of Pontiac Law office on April 10, 2012 for building and fire department records. The City of Waterford currently handles emergency response for the City of Pontiac and the City of Pontiac Fire Department did not have any records for the Property Parcel (Appendix I). A FOIA request was also sent to the Waterford Fire Department on April 10, 2012. The City of Pontiac Building Department records were reviewed on April 25, 2012. The only information for the Property pertained to a zoning change on February 1, 2012 from one-family to parking district. ASTI also interviewed Joseph Sabato with the City of Pontiac. Mr. Sabato did not have any information for the Property. The Waterford Fire Department did not have any information for the Property Parcel (Appendix I).

The Oakland County Equalization office was visited on April 17, 2012 to review assessment information for the Property. The assessment card indicated that the Property was under residential status. No other information was on the card.

The DEQ RD maintains a listing of properties in the State that have perfected environmental liens. The Property was not included on the list as of the most recent update (Appendix I).

Prior Environmental Investigations

ASTI is not aware of, nor was provided with, prior environmental investigations for the Property, except for the 2000 investigation discussed in Section 4.1.2 with appended materials in Appendix H.

4.3 Physical Setting Sources

A Physical Setting Sources Map, which includes an overlay of the United States Geological Survey (USGS) topographic map (7.5-minute series) for the Pontiac North, Michigan quadrangle, which includes the Property, is provided in the EDR report in Appendix G. The topographic map is also the basis of the Site Location Map in Appendix B. The Property is located at an elevation of approximately 938 feet above mean sea level (MSL). Topography of the region declines generally to the south-southeast.

During the 2000 investigation, soil borings indicated that the soil is generally sandy near the surface with the relative proportion of clay increasing with depth. The soils hardened with depth and were generally moist at depths between 2.5 to 3.0 feet and saturation where encountered occurred at four feet. Lenses of sandy soil were interspersed within the clay substratum and tended to be the water-bearing soils. The groundwater encountered did not meet the definition of groundwater in an aquifer.

Per soil data from the EDR report (Appendix G), the primary soil component for the Property is Urban land.

4.4 Historical Use Information on the Property

To evaluate the historical use of the Property, ASTI (1) reviewed historical aerial photographs, (2) reviewed documentation maintained by the City of Pontiac, and (3) reviewed aerial photographs, Sanborn maps, and city directories.

4.4.1 Prior Occupancy

Based on the information reviewed, the Property was developed mostly with residential properties since at least the late 1800s through the 1980s. One or two stores were located

at 228-230 N. Saginaw. The only non-residential city directory listings found were a butcher/grocer at 228 N. Saginaw in 1938-1952, an attorney at 230 N. Saginaw in 1930-1965, tax services at 230 N. Saginaw in 1975-1980, offices at 236 N. Saginaw in 1964-65, and a St. Joseph Hospital listing at 230 N. Saginaw in 1974-1975. The Property has been undeveloped since sometime in the 1980s.

4.4.2 Aerial Photographs

ASTI reviewed available aerial photographs of the Property provided by EDR for the years 1937, 1940, 1949, 1957, 1961, 1967, 1972, 1980, 1993, 1999, 2000, and 2005. Aerial photographs were also provided through the Oakland County One Stop Shop/GIS for the years 1963, 1974, 1980, 1990, and 2010. Copies of the aerial photos are provided as Appendix J.

Year	Observation
1937	The Property appears to be developed with approximately four to five smaller structures indicative of residential or light commercial uses.
1940	The Property appears to be developed with approximately four to five smaller structures indicative of residential or light commercial uses.
1949	The Property appears to be developed with approximately four to five smaller structures indicative of residential or light commercial uses.
1957	The Property appears to be developed with approximately four to five smaller structures indicative of residential or light commercial uses.
1961	The Property appears to be developed with approximately four to five smaller structures indicative of residential or light commercial uses.
1963	The Property is evident with five structures indicative of residential or light commercial uses.
1967	The Property is evident with five structures indicative of residential or light commercial uses.
1972	The Property is evident with five structures indicative of residential or light commercial uses.
1974	The Property is evident with five structures indicative of residential or light commercial uses.
1980	The Property is evident with three structures indicative of residential or light commercial uses.
1990	The Property is evident as undeveloped.
1993	The Property is evident as undeveloped land with a gravel drive on the southwest portion.
1999	The Property is evident as undeveloped land with a gravel drive on the southwest portion.
2000	The Property is evident as undeveloped land with a gravel drive on the southwest portion.
2005	The Property is evident as undeveloped land with a gravel drive on the southwest portion.
2010	The Property is evident as undeveloped land with a gravel drive on the southwest portion.

4.4.3 Sanborn Maps

A Sanborn map search was conducted by EDR, and Sanborn map coverage was identified for the years 1898, 1903, 1909, 1915, 1919, 1924, 1950, and 1970. The Certified Sanborn Map Report is provided as Appendix K.

Year	Observation
1898	Only the southern portions of the Property are shown. The Property is developed with one residence and one partial portion of a residence.
1903	The Property is evident as developed with four residences, one partial residence, and several outbuildings.
1909	The Property is evident as developed with five residences, one partial residence, and 2-3 outbuildings.
1915	The Property is evident as developed with five residences, one partial residence, and 2-3 outbuildings.
1919	The Property is evident as developed with five residences, one partial residence, and 3-4 outbuildings.
1924	The Property is evident with four residential buildings, one residential building containing a small store on the south end (228 N. Saginaw), a portion of a rooming house, and several outbuildings.
1950	The Property is evident with four residential buildings, one building containing two small stores (228-230 N. Saginaw), a portion of a small apartment building, and several outbuildings.
1970	The Property is evident with four residential buildings, one building containing two small stores (228-230 N. Saginaw), and two outbuildings. Wide Track Drive E. (formerly School) was widened.

4.4.4 City Directories

Polk's and Bresser's city directories were reviewed for the known Property and non-residential adjoining property addresses at the Library of Michigan for years between 1939 and 2010. The results of the city directory search are discussed in Sections 4.4.1 and 4.5.

4.4.5 Title Search

Premier Realty, LLC did not provide ASTI with chain-of-title records for the Property, except for those provided in Appendix F. Portions of the Property (Lots 5, 6, 7, & 8) have been owned by the City of Pontiac since 1979.

4.5 Historical Use Information on Adjoining Properties

The adjoining properties consisted of residential use in at least the early 1900s and remained residential uses through at least the 1950s. Formerly adjoining to the south was a residence converted to a rooming house/apartments. However, the structure was

removed for the widening of School - became Wide Track Drive E. in the 1960s. Between 1980 and 1990, the Human Services center to the west was constructed.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

ASTI inspected the Property on April 17, 2012. Areas observed included the Property and adjoining properties. Findings reported in this section are based on site observations, review of available documentation, and interviews with persons knowledgeable in the areas of inquiry. No limiting conditions were identified during the site reconnaissance, except for thick vegetation on the northeast portion of the Property.

5.2 General Site Settings

The Property (1.10 acres) is located on the east side of N. Saginaw and north side of Business I-75 (Wide Track) in Section 29 (T3N-R10E), Pontiac, Oakland County, Michigan. The Property consists of undeveloped land.

5.3 Exterior Observations

No areas of surface staining, stressed vegetation, or other signs of disposal of hazardous substances or petroleum products were observed on the exterior portions of the Property.

5.3.1 Hazardous Substances and Petroleum Products in Connection with Identified Uses

No hazardous substances and petroleum products in connection with identified uses were observed on the Property.

5.3.2 Hazardous Substance Containers and Unidentified Substance Containers

No hazardous substance containers or unidentified substance containers were observed on exterior areas of the Property.

5.3.3 Storage Tanks

Underground Storage Tanks

ASTI did not observe evidence of potential underground storage tanks (USTs) (i.e., fill ports, vent pipes, or dispensing pumps) on the Property.

Above Ground Storage Tanks

ASTI did not observe evidence of potential ASTs on the exterior portions of the Property during the site inspection.

5.3.4 Indications of PCBs

No electrical or hydraulic equipment known to contain polychlorinated biphenyls (PCBs), or likely to contain PCBs, were observed on the Property or identified from the interviews or records review. One DTE Energy-owned pole-mounted transformer was observed near the eastern Property boundary. The transformer appeared to be of an older style (black), but was in good condition with no evidence of staining.

Even though not all DTE Energy-owned transformers have been tested, according to DTE Energy Personnel, their transformers are not "PCB transformers" as defined by the United States Environmental Protection Agency (US EPA). In the unlikely event of a spill or leak from any DTE Energy-owned equipment, the Property will be properly cleaned and, as nearly as possible, returned to its condition before the spill by DTE Energy.

5.3.5 Indications of Solid Waste Disposal

No indications of solid waste disposal were observed on the Property, except for some bike tires, concrete, and general refuse (wrappers, plastic, papers, etc.). In addition, a small portion of a former building foundation was observed on the southwest portion of the Property.

5.4 Interior Observations

Interior observations are not applicable to this assessment.

6.0 INTERVIEWS

6.1 Interview with Owner

The Property is owned by the City of Pontiac EDC. The Pontiac EDC is comprised of board members that meet periodically. ASTI did request information from the City of Pontiac Fire Department, Building Department, and Engineering Department. ASTI interviewed Joseph Sabato with the City of Pontiac and also reviewed assessment documentation at the Oakland County Equalization Department. Please refer to Section 4.2 for the information obtained.

6.2 Interview with Site Manager

Refer to Section 6.1

6.3 Interview with Occupants

The Property is currently unoccupied.

6.4 Interviews with Local Government Officials

Conversations with local government officials were limited to requesting assessment, building, fire, and zoning records. No significant information was obtained from the interviews.

6.5 Interviews with Others

No others were interviewed as part of this Phase I ESA.

7.0 FINDINGS

Based on the information reviewed, the Property was developed mostly with residential properties since at least the late 1800s through the 1980s. One or two stores were located at 228-230 N. Saginaw. The only non-residential city directory listings found were a butcher/grocer at 228 N. Saginaw in 1938-1952, an attorney at 230 N. Saginaw in 1930-1965, tax services at 230 N. Saginaw in 1975-1980, offices at 236 N. Saginaw in 1964-65, and a St. Joseph Hospital listing at 230 N. Saginaw in 1974-1975. The Property has been undeveloped since sometime in the 1980s.

The Property was identified as a Brownfield site identified as Widetrack Drive and N. Saginaw and a deleted SHWS site. ASTI reviewed the DEQ project file for the Property at the Warren District Office on May 2, 2012. In 2000, a Request for Proposal (RFP) was issued for Lots 4, 5, 6, 7, & 8 on the Property to conduct a remedial investigation. No known environmental conditions had been discovered at the time the RFP was issued. In July 2000, 10 borings to a depth of eight feet below ground surface (bgs) were completed. Groundwater was encountered at four locations. Sampling consisted of 16 soil samples and four groundwater samples. All constituents were below applicable criteria, with exception of arsenic. Arsenic was present in one sample at 9,500 ug/Kg, which was above the direct contact criteria of 7,600 ug/Kg. Since there was no evidence of localized contamination, the arsenic data was analyzed to determine the 95% Upper Confidence Limit (UCL). This was determined to be 5,950 ug/Kg, below the applicable criteria. The investigation did not find any evidence that the Property was a facility and there was no other information available to indicate contamination was present. A project closeout was approved and the site was delisted from the database.

No recognized environmental conditions were identified with regard to the current and historical uses of the adjoining properties or researched state and federal databases.

8.0 OPINION

In the professional opinion of ASTI, an appropriate level of inquiry has been made into the previous ownership and uses of the Property consistent with good commercial and customary practice in an effort to minimize liability. No evidence or indication of recognized environmental conditions has been revealed on the Property.

Two data gaps were encountered during the investigation: lack of an interview with the prior owner(s)/occupants of the Property and inability to identify the first date of development on the Property.

9.0 CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of Parcel 64-14-29-276-037 in Pontiac, Oakland County, Michigan, referred to as the "Property". Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs) in connection with the Property. No additional investigation is recommended.

10.0 DEVIATIONS

No deletions, deviations, or additions to E 1527-05 have occurred during this assessment.

11.0 ADDITIONAL SERVICES

Asbestos-Containing Materials (ACM)

An ACM inspection was not included in the scope of this Phase I ESA. The Property consists of undeveloped land.

Lead-Based Paint (LBP)

A LBP inspection was not included in the scope of this Phase I ESA. The Property consists of undeveloped land.

Wetlands

Wetland delineation was not included in the scope of this Phase I ESA. No suspect wetland features were observed during the site inspection.

12.0 REFERENCES

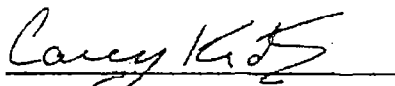
The following references were used in preparing this Phase I ESA.

- Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-05
- The EDR Radius Map Report with GeoCheck, April 18, 2012
- The EDR Aerial Photo Decade Package, April 13, 2012
- DEQ RD Perfected Environmental Liens, November 1, 2011
- DEQ Warren District Office
- User Questionnaire
- Oakland County Health Division Response, April 16, 2012
- Oakland County Equalization Office
- EDR Certified Sanborn Map Report, April 10, 2012
- Polk's and Bresser's City Directories, Library of Michigan
- Title Work, First American Title Insurance Company, March 14, 2012
- Joseph Sabato, City of Pontiac

13.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in 312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Carey Kratz, EP

Project Manager



Brian Kuberski, EP

Site Assessor

APPENDIX A

RESUME

ASTI ENVIRONMENTAL



Brian Kuberski
Associate II

PROFILE

Certifications

40-Hour OSHA HAZWOPER

Certified Asbestos Inspector, Michigan (Certification No. A33882)

Education and Training

Natural Resource Planning and Management, B.S. University of Michigan-Flint, Flint, Michigan
ASTM Risk-Based Corrective Action at Petroleum Release Sites

Experience History

Associate I, Property Services Group, ASTI ENVIRONMENTAL

Project Manager, Applied EcoSystems Great lakes

Field Scientist, ATC Associates, Inc.

Professional Background

Mr. Kuberski has conducted work on environmental projects involving site investigative activities for hydrogeological studies and site remediation of petroleum contamination of soil and groundwater from leaking underground storage tanks. He has provided management oversight of projects from initial UST removals through implementation of remedial actions, long-term groundwater monitoring, Initial and Final Assessment Reporting, and site closures. Project management skills include proposal preparation, coordinating fieldwork, supervising subcontractors, project tracking/budgeting, and client management. In addition he has completed various site remediation projects including soil removal, free product removal, and the utilization of Oxygen Release Compound. Mr. Kuberski's field experience includes monitor well placement, installation and surveying, low flow groundwater sampling, pilot tests, slug testing, and aquifer pump tests. He has also completed numerous Phase I and Phase II Environmental Site Assessments throughout Michigan for all land types uses.

Years Experience:

5.5 --- ASTI ENVIRONMENTAL

7 --- other firms

RESUME

ASTI ENVIRONMENTAL



CAREY S. KRATZ
Associate III

PROFILE

Certifications

Certified Asbestos Inspector, Michigan #A27278
HAZWOPER Incident Commander
HAZWOPER 40 hour Training

Education

Lake Superior State University, B.S. Environmental Science 1999
Mott Community College, Associate in Science 1997

Experience History

Project Manager, Property Services Group, ASTI Environmental
Environmental Site Assessor, Property Services Group, ASTI Environmental
Data Technician, Property Services Group, ASTI Environmental

Professional Background

Ms. Kratz has performed Phase I Environmental Site Assessments and asbestos inspections of residential, commercial and industrial property in Michigan. Work has included vacant land, apartment complexes, offices, restaurants, storage facilities, gasoline stations, commercial structures, former landfills and operating industrial facilities. She has identified Recognized Environmental Conditions in Phase I reports, and has provided alternatives to owners of properties with asbestos materials. The property evaluations included site inspections, historical research, and contact with state and local agencies.

Years Experience: 12 – ASTI ENVIRONMENTAL

ASBESTOS INSPECTION PROJECTS

Asbestos Management, Washtenaw County Road Commission

Inspected residence obtained in right-of-way acquisition for asbestos. Collected samples for laboratory analysis. Provided report of federal and state requirements for removal for scheduled fire department burn exercise.

Asbestos Inspection, Crestview Apartments, Fenton

Inspector of asbestos hazards at apartment property in Fenton. Collected samples of suspect ACM for

laboratory analysis. Provided report to owner with findings and compliance requirements.

Asbestos Inspection, Gas Station/Residence Property, Adrian

Inspector of asbestos hazards at property consisting of gasoline station, retail store and residence in Adrian. Collected samples of suspect ACM for laboratory analysis. Provided report to owner with findings and compliance requirements.

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Asbestos Inspection, Former Restaurant, Ann Arbor
Inspector and manager of asbestos hazards in former restaurant building slated for rehabilitation. Provided information and findings to architects assessing alternative approaches to re-habilitation of the building.

Asbestos Inspection, Former Celery Processing Plant

Inspector of industrial structure for suspect ACMs. Collected samples of suspect ACM for laboratory analysis. Provided report and assisted client with compliance requirements.

Asbestos Inspection, Overnight Courier's Building, Troy, Michigan

Inspector of facility to determine whether ACM was present and required remediation. Collected samples, reviewed laboratory analysis and provided client a report of methods and findings.

Asbestos Inspection, Dearborn Manufacturing Facility

Inspector of hot tub manufacturing facility to determine the presence and condition of ACM. Collected samples, reviewed laboratory analysis and provided client a report of methods and findings.

SITE ASSESSOR PROJECTS

Phase I Environmental Site Assessment, Proposed MSHDA Project

Inspector of vacant property in Battle Creek proposed for tax-credit development under Michigan State Housing and Development Authority. Investigation included desktop noise prediction at proposed building's exterior and wetland delineation by project team. Provided report ahead of deadline for submittal to MSHDA.

Phase I ESA, 100 Scattered Lots, MSHDA Project

Inspector of vacant property in East Detroit proposed tax-credit development under Michigan State Housing & Development Authority. Investigation included property inspections and review of federal, state and municipal records. Provided report by MSHDA 2002 deadline.

Phase I ESA, Apartment Complex, Oakland County

Inspector of apartment complex; analyzed architectural drawings to identify types of units and inspected representative sample. Reviewed all federal, state and local information on the property and submitted report to prospective purchaser.

Phase I ESA and Limited, Subsurface Investigation, Proposed MSHDA Project

Inspector of 29 parcels vacant and improved property in Highland Park proposed for tax-credit development under Michigan State Housing & Development Authority. Provided report ahead of deadline for submittal to MSHDA for March 2002 review and approval.

Phase I ESA, Apartment Complex, Wayne County

Inspector of apartment complex; analyzed architectural drawings to identify types of units and inspected representative sample. Reviewed all federal, state and local information on the property and submitted report to prospective purchaser.

Phase I ESA, Mini Storage Facility, Pennsylvania

Assessed condition of mini-storage facility for prospective purchaser seeking financing. Completed report according to ASTM standard within deadline.

Phase I ESA, Former Consolidated, Freightways Facility

Inspector of shipping and transfer facility with repair shop and fuel dispensing. Identified Recognized Environmental Conditions for purchaser.

Phase I ESA, Apartment Complex, Genesee County

Inspector of apartment complex; review of architectural drawings to identify types of units and inspected representative sample. Assessor reviewed all federal, state and local information on the property and submitted report to prospective purchaser.

Phase I ESA, 300 Acres Vacant Land, Holly, Michigan

Inspected 300 acres of vacant land and produced Phase I report within three weeks to meet client deadline for financing.

Phase I ESA, Mini Storage/Self Storage, Facility, Michigan

Assessed condition of self-storage facility for prospective purchaser seeking financing. Completed report according to ASTM standard within deadline.

Phase I ESA, West Bloomfield Parks & Recreation Department

Assessed condition of vacant land to meet Department's procedures for property acquisition. Completed report according to ASTM standard within deadline.

Phase I ESA, Machining/Grinding Facility, Chelsea, Michigan

Assessed condition of industrial facility formerly used for machining and grinding. Identified RECs due to use of machining and cutting fluids. Assisted prospective purchaser seeking financing.

Asbestos Management, Washtenaw County Road Commission

Inspected residence obtained in right-of-way acquisition for asbestos. Collected samples for laboratory analysis. Provided report of federal and state requirements for removal for scheduled fire department burn exercise.

Asbestos Inspection, Crestview Apartments, Fenton, Michigan

Inspector of asbestos hazards at apartment property in Fenton. Collected samples of suspect ACM for laboratory analysis. Provided report to owner with findings and compliance requirements.

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Inspector of asbestos hazards at property consisting of gasoline station, retail store and residence in Adrian. Collected samples of suspect ACM for laboratory analysis. Provided report to owner with findings and compliance requirements.

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Asbestos Inspection, Former Celery Processing Plant

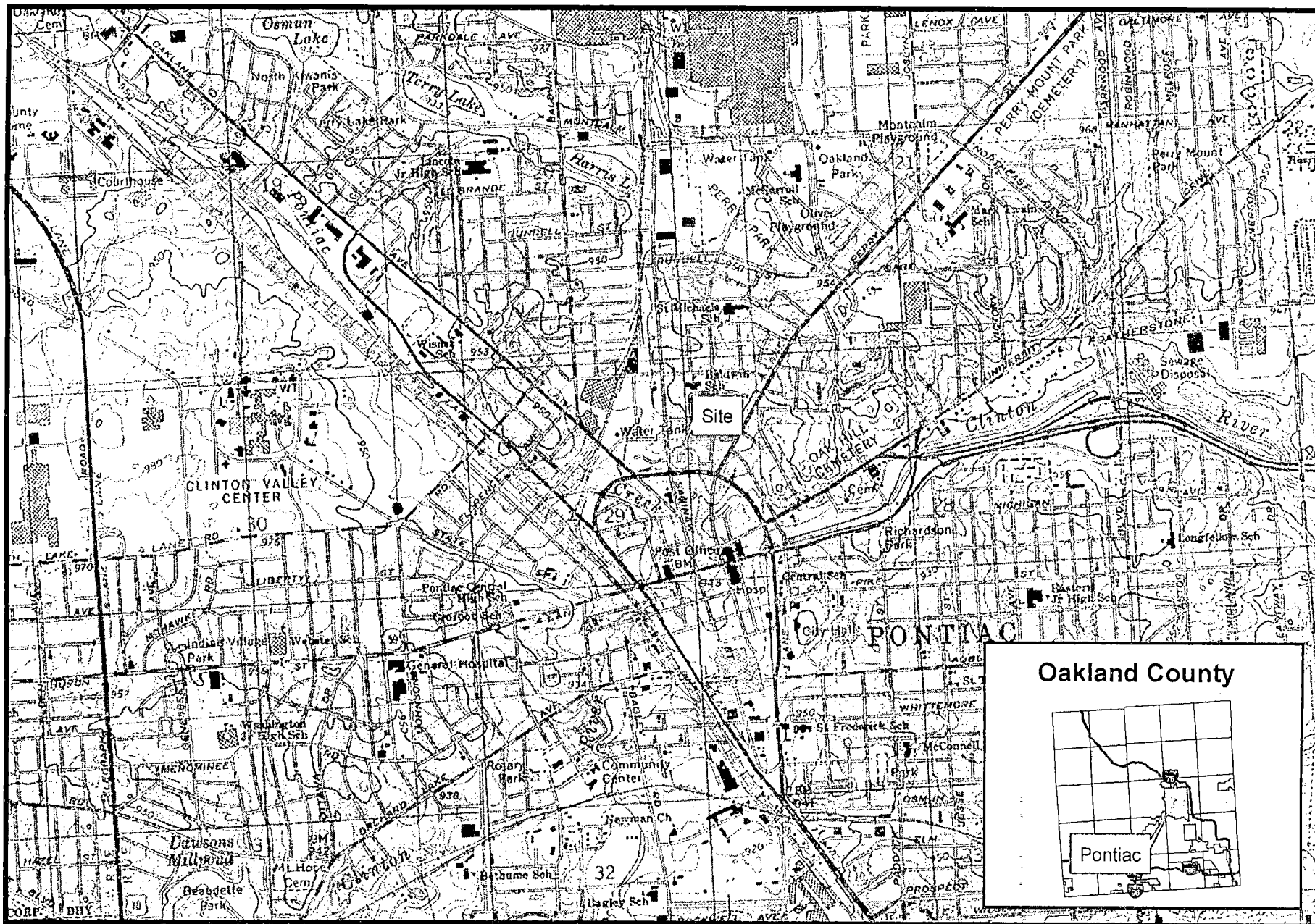
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Inspector of hot tub manufacturing facility to determine the presence and condition of ACM. Collected samples, reviewed laboratory analysis and provided client a report of methods and findings.



Parcel 64-14-29-276-037

Pontiac, MI

2,000 1,000 0 2,000
Feet



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Created for: Oakland County and Premier Realty, LLC
Created by: KTH, May 4, 2012, ASTI Project 7177-44

Site Location Map

APPENDIX C

General Property Information**City of Pontiac**[\[Back to Non-Printer Friendly Version\]](#) [\[Send To Printer\]](#)

Parcel: 64-14-29-276-037 Unit: City of Pontiac Data Current As Of: 2/28/2012 3:16:22 PM

Parcel is Vacant

Property Address	[collapse]
, 00000	

Owner Information	[collapse]
CITY OF PONTIAC EDC 8 N SAGINAW PONTIAC, MI 48342	
Unit:	64

Taxpayer Information	[collapse]
SEE OWNER INFORMATION	

General Information for Tax Year 2011				[collapse]
Property Class:	402 - 402 Res Vac	Assessed Value:	\$0	
School District:	210 - 210 Pontiac City Schools	Taxable Value:	\$0	
State Equalized Value:	\$0	Map #	POST	
PPBusCode	0	Date of Last Name Chg:		
		Date Filed:		
		Notes:	N/A	
Principal Residence Exemption	May 1st	Final		
2012	0.0000 %			
2011	0.0000 %	0.0000 %		
Previous Year Info	MBOR Assessed	Final S.E.V.	Final Taxable	
2010	\$0	\$0	\$0	
2009	\$0	\$0	\$0	

Land Information				[collapse]
	Frontage		Depth	
Lot 1:	0.00 Ft.		0.00 Ft.	
Lot 2:	0.00 Ft.		0.00 Ft.	
Lot 3:	0.00 Ft.		0.00 Ft.	
Total Frontage:	0.00 Ft.	Average Depth:	0.00 Ft.	
Total Acreage:	1.10			
Zoning Code:	RV			
Land Value:	\$0	Mortgage Code:		
Land Improvements:	\$0	Lot Dimensions/Comments:		
Renaissance Zone:	NO			
Renaissance Zone Expiration Date:				

ECF Neighborhood Code: CME

Legal Information for 64-14-29-276-037[\[collapse\]](#)

T3N, R10E, SEC 29 HODGES PLAT LOT 4 EXC THAT PART TAKEN FOR WIDE TRACK DR, ALSO ALL OF LOTS 5 TO 8 INCL, ALSO OF 'ASSESSOR'S PLAT NO 28' LOTS 1 TO 4 INCL, ALSO PART OF LOT 5 LYING NWLY OF LI MEAS 45 FT ALG N LOT LI FROM NW LOT COR & SWLY TO A PT MEAS 45 FT ALG W LOT LI FROM NW LOT COR 9-28-06 FR 035

Sales Information

0 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms Of Sale	Liber/Page
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Building Information

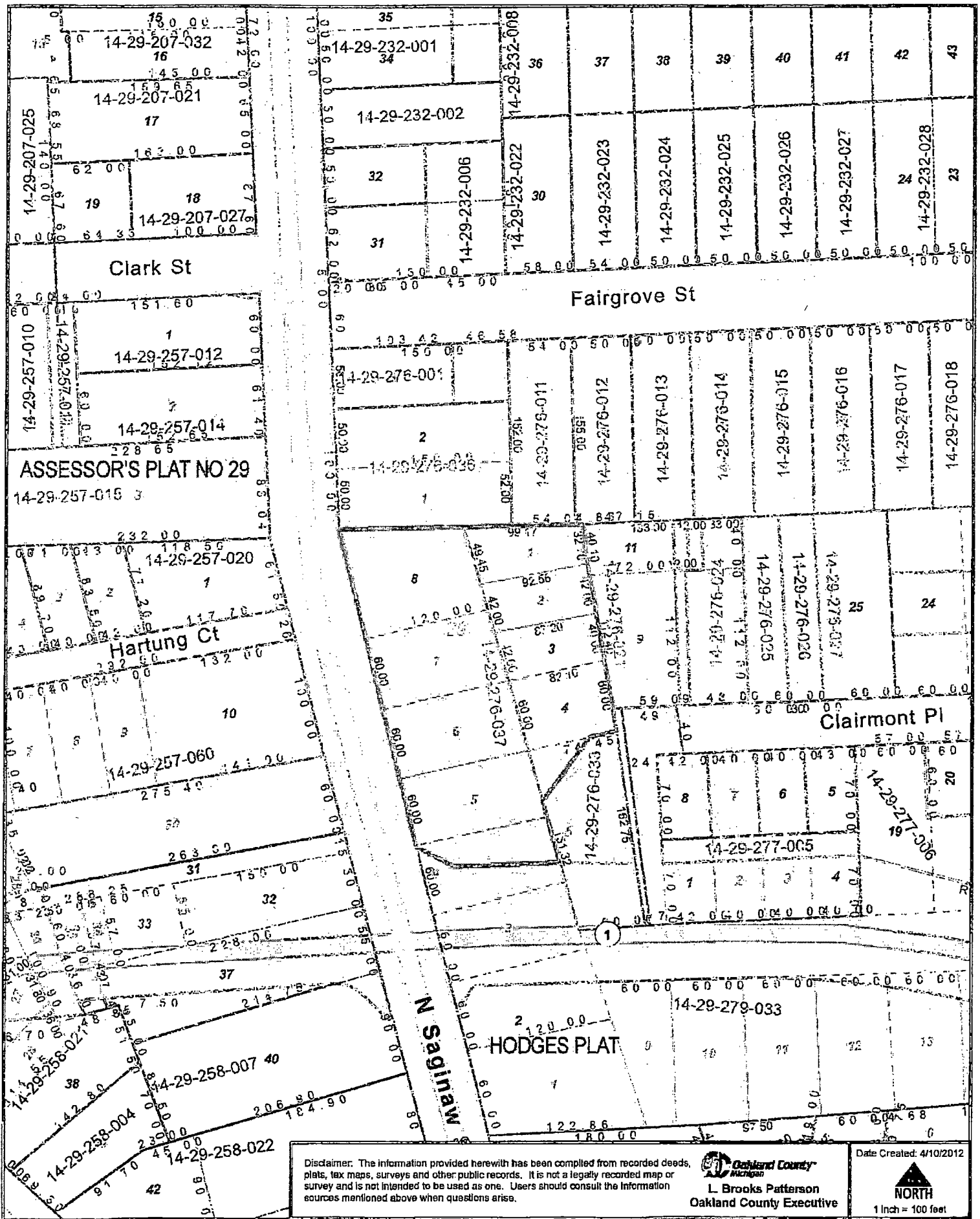
0 building(s) found.

Description	Floor Area	Yr Built
-------------	------------	----------

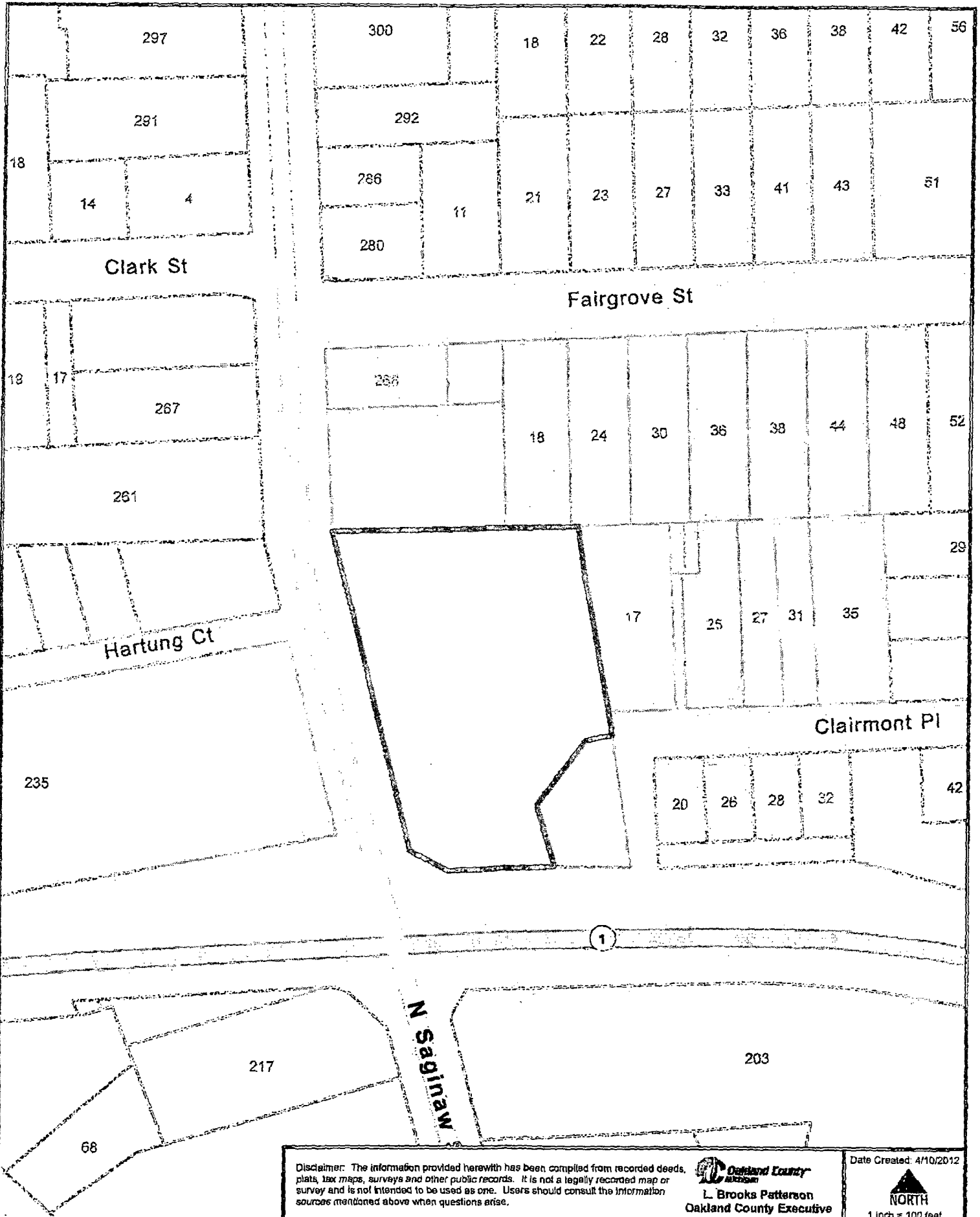
****Disclaimer:** BS&A Software provides this Web Site as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

[Privacy Policy](#)

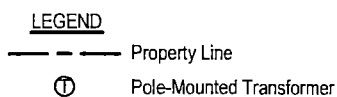
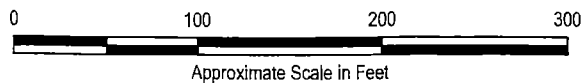
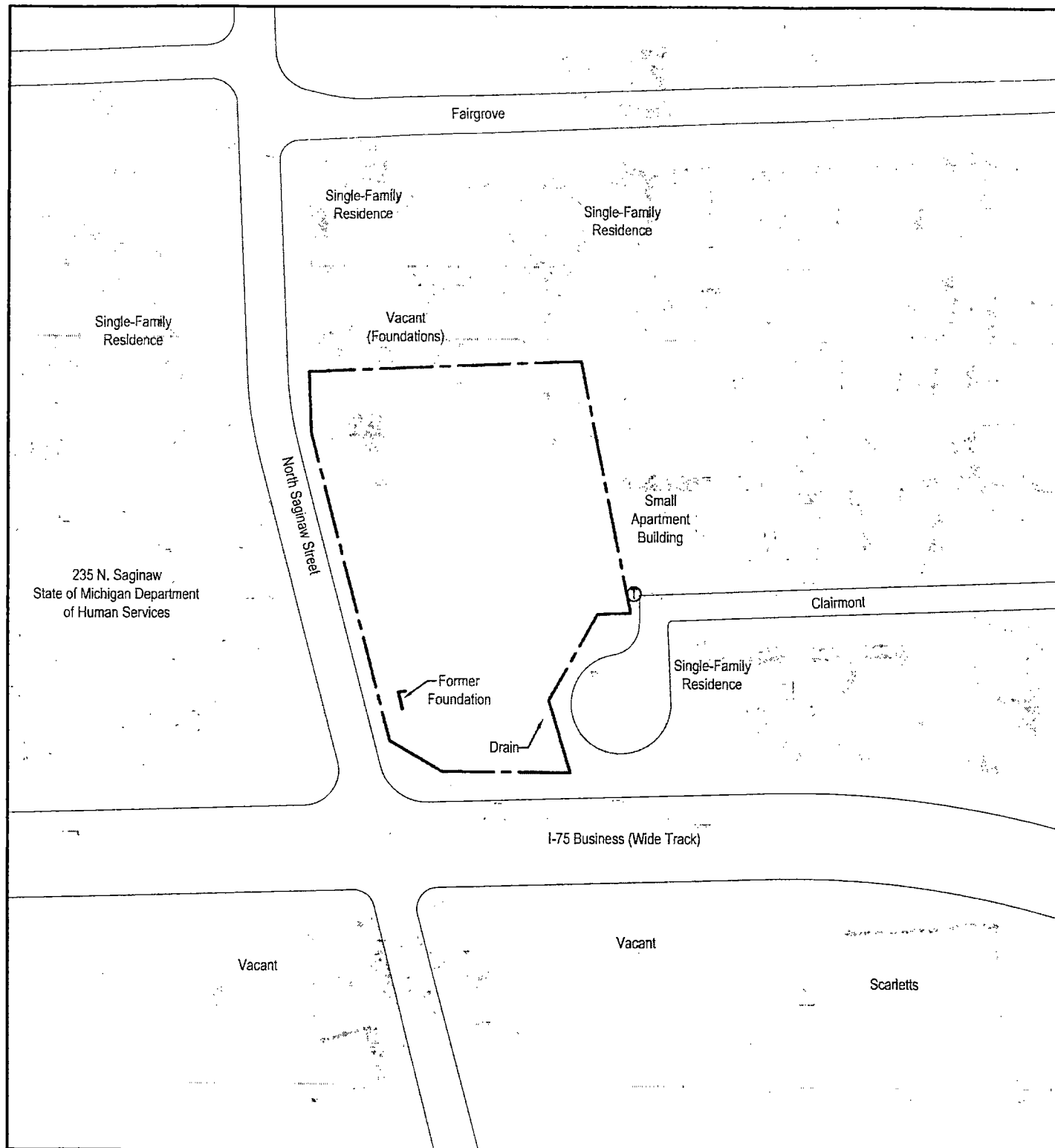
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1429276037



APPENDIX D



Parcel 64-14-29-276-037

Pontiac, MI

Created for: Oakland County and Premier Realty, LLC

ASTI Project 7177-44, JMD, April 23, 2012

ASTi
Environmental



Site Features Map

APPENDIX E

PHOTO LOG

Parcel 64-15-29-276-037, Pontiac, Michigan

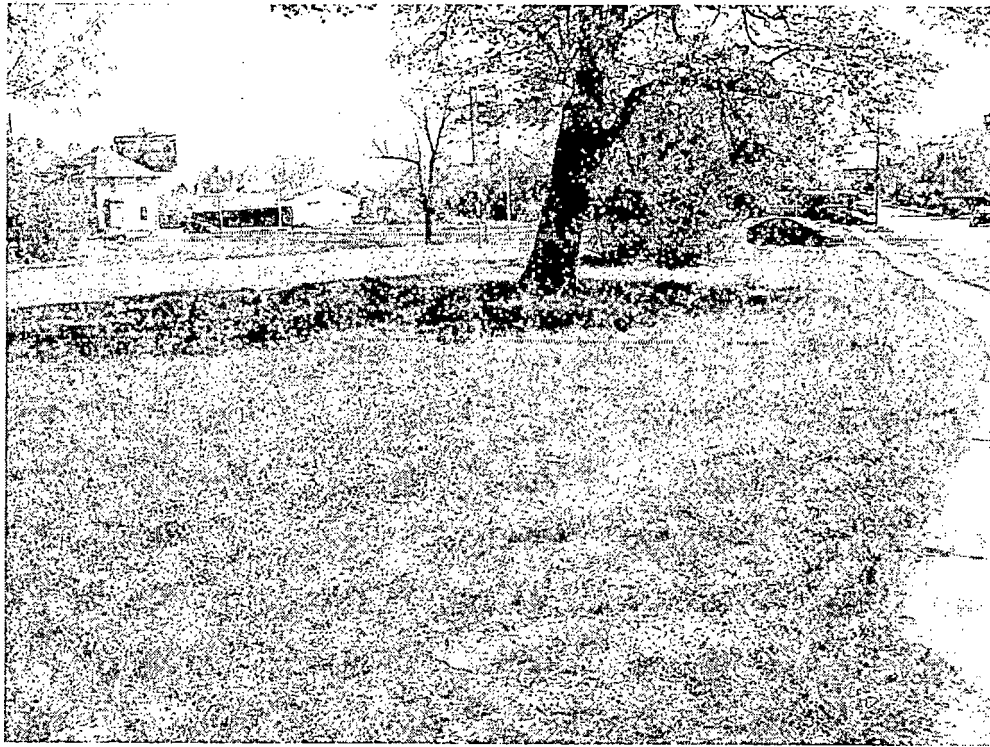


Photo 1. View of the Property looking southeast



Photo 2. View of the Property looking north

ASTI File SI 7177-44

April 17, 2012

Photographed By Brian Kuberski

ASTi
ENVIRONMENTAL

PHOTO LOG

Parcel 64-15-29-276-037, Pontiac, Michigan

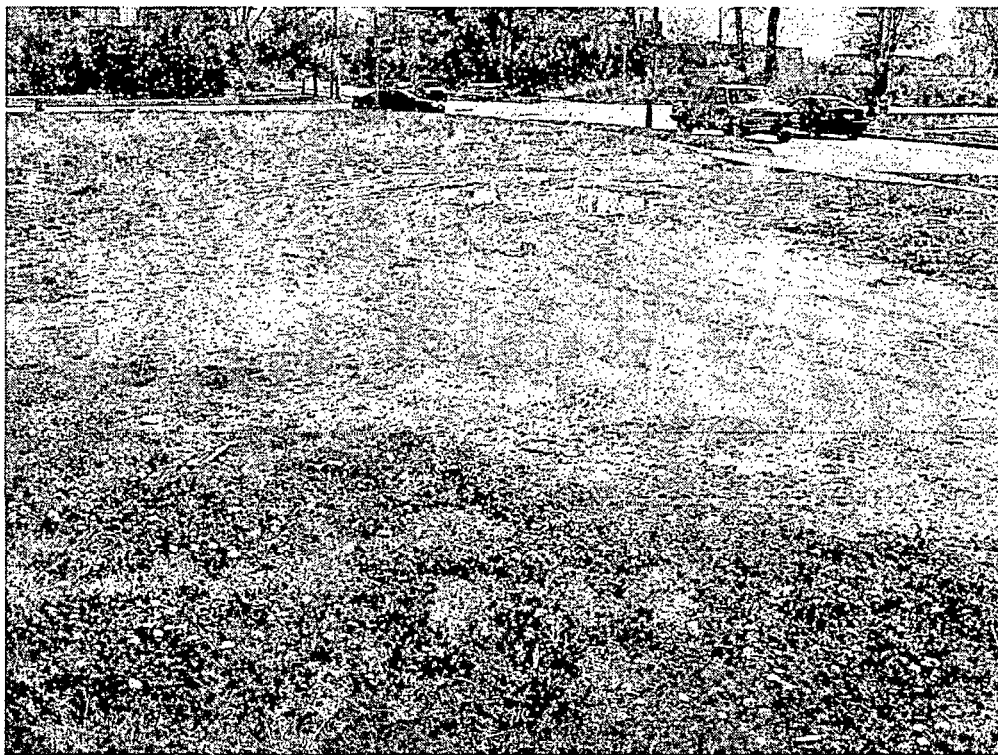


Photo 3. View of the gravel drive on the Property



Photo 4. View of a former building foundation on the Property

ASTI File SI 7177-44

April 17, 2012

Photographed By Brian Kuberski

ASTi
ENVIRONMENTAL

PHOTO LOG

Parcel 64-15-29-276-037, Pontiac, Michigan

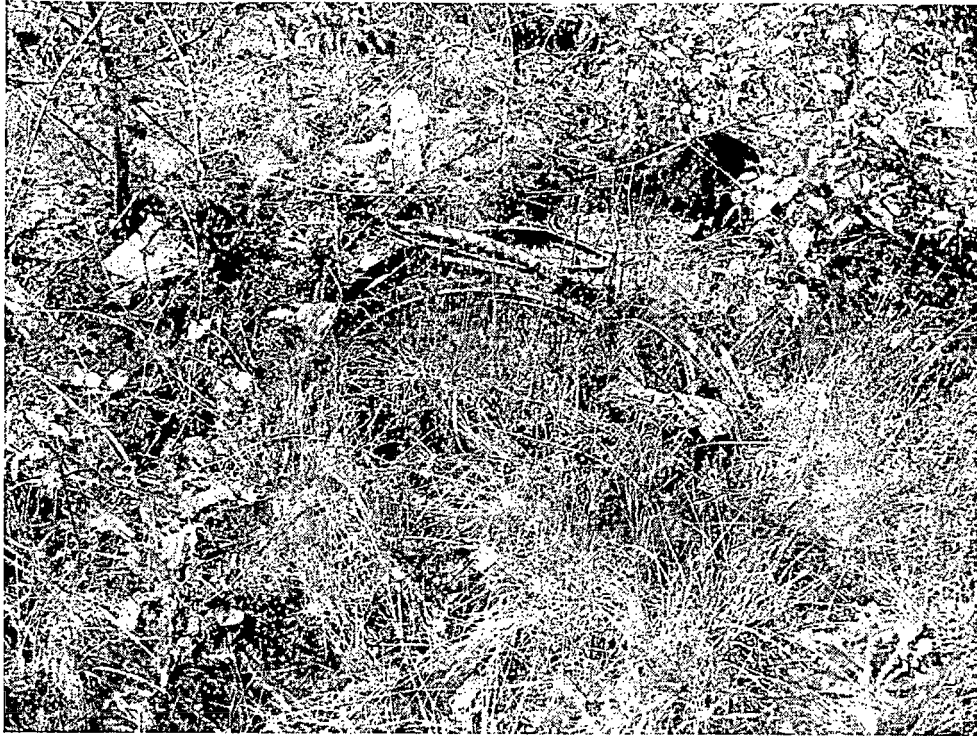


Photo 5. View of debris on the northeastern portion of the Property

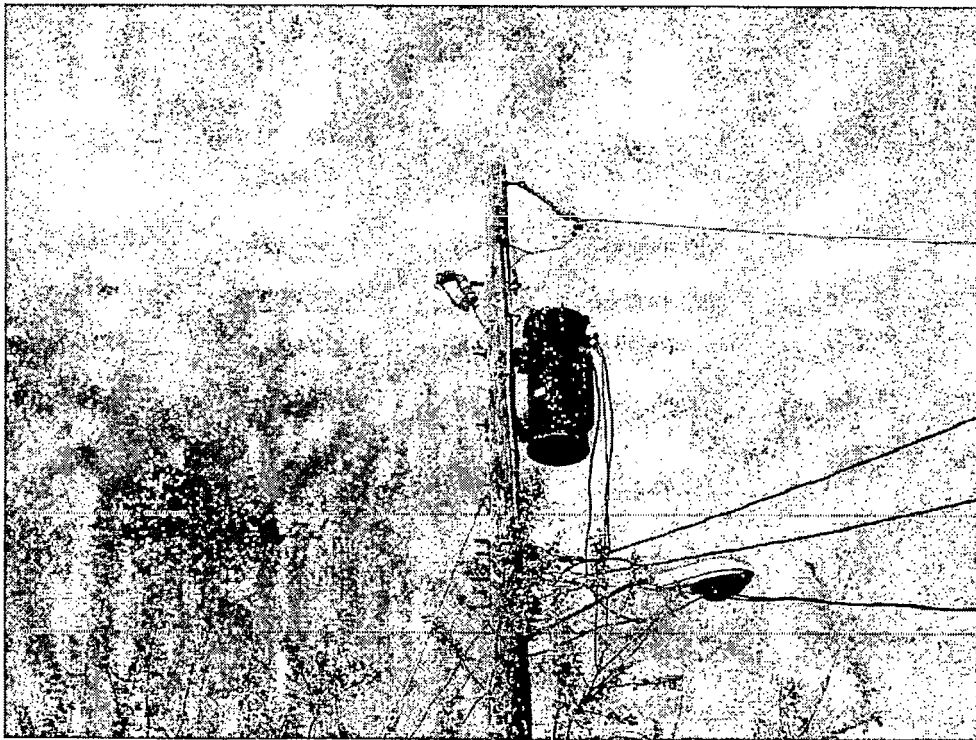


Photo 6. View of the pole-mounted transformer along the eastern Property boundary

PHOTO LOG

Parcel 64-15-29-276-037, Pontiac, Michigan



Photo 7. View of the northern adjoining property

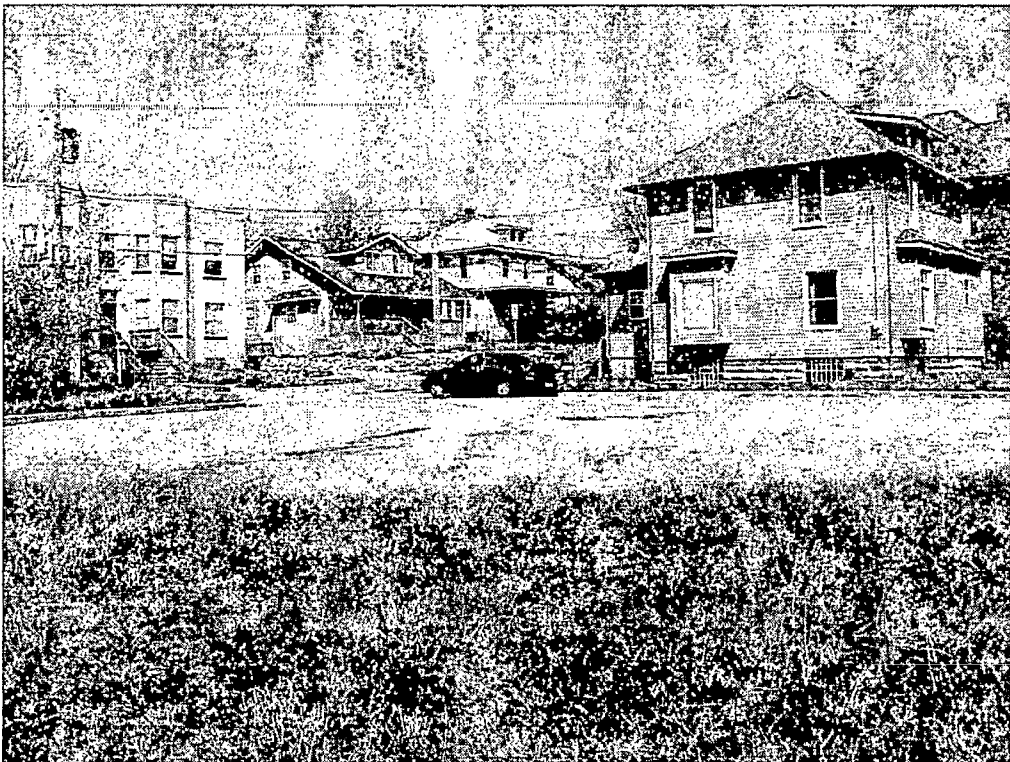


Photo 8. View of the eastern adjoining property

ASTI File SI 7177-44

April 17, 2012

Photographed By Brian Kuberski

ASTi
ENVIRONMENTAL

PHOTO LOG

Parcel 64-15-29-276-037, Pontiac, Michigan

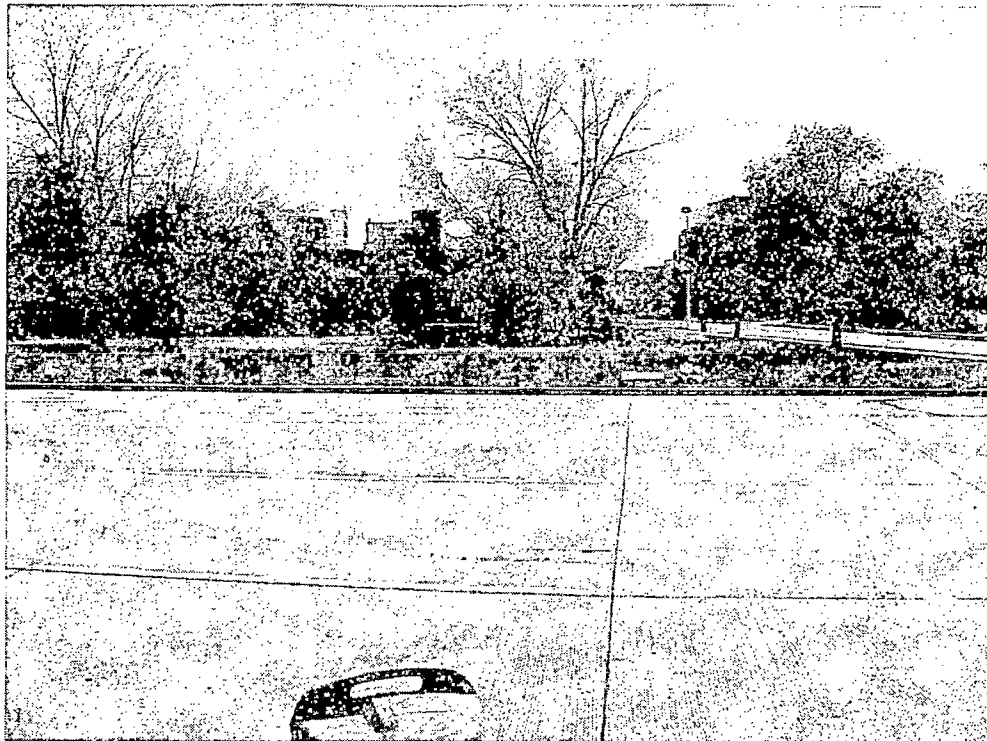


Photo 9. View of the southern adjoining property



Photo 10. View of the western adjoining property

ASTI File SI 7177-44

April 17, 2012

Photographed By Brian Kuberski

ASTi
ENVIRONMENTAL

APPENDIX F



E 1527-05 USER QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the user must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

Respondent Name:	235 N. Saginaw Associates, L.L.C., by Jeffrey Katch, Member
Response Date:	5-03-2012
Address:	560 Kirts Blvd., #100, Troy, MI 48064

1. Environmental Cleanup Liens

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

Yes

☒ No

2. Activity and Land Use Limitations

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Yes

☒ No

3. Specialized Knowledge or Experience

Do you have any specialized knowledge or experiences related to the property, nearby properties, or are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes

☒ No

4. Purchase Price vs. Fair Market Value

Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☒ Yes

No

5. Commonly known or reasonably ascertainable information about the property

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

Yes

☒ No

5a. Do you know the past uses of the property?

Yes

☒ No

5b. Do you know of specific chemicals that are present or once were present at the property?

Yes

☒ No

5c. Do you know of spills or other chemical releases that have taken place at the property?

Yes

☒ No

5d. Do you know of any environmental cleanups that have taken place at the property?

Yes

☒ No

6. The degree of obviousness of the presence or likely presence of contamination

As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

Yes

☒ No

Policy or Policies issued pursuant to this commitment are underwritten by:

First American Title Insurance Company

SCHEDULE A

Commitment No.: 574879
2014 Patty Meadows

Date Printed: March 14, 2012

1. Effective Date: February 08, 2012 @ 8:00 AM

2. Policy or Policies to be issued:	Policy Amount
(a) ALTA Owners Policy (6-17-06) Without General Exceptions	\$128,450.00

Proposed Insured:
235 N. Saginaw Associates, L.L.C., a Michigan limited liability company

Policy or Policies to be issued:	Policy Amount
(b) ALTA Loan Policy (6-17-06)	

Proposed Insured:

3. The Fee Simple interest in the land described in this Commitment is owned, at the Commitment Date, by:
Economic Development Corporation of the City of Pontiac, a Michigan corporation created pursuant to 1974 P.A. 388, as amended, as to Lot 1, of Assessor's Plat No. 28

Economic Development Corporation of the City of Pontiac, as to part of Lot 4, Hodges Plat and Part of Lot 5, Assessor's Plat No. 28

Economic Development Corporation of the City of Pontiac, a Michigan corporation created pursuant to Act 388 of 1974, as amended, as to the remainder

4. The land referred to in this Commitment, situated in the County of Oakland, City of Pontiac, State of Michigan, is described as follows:

(SEE EXHIBIT A LEGAL DESCRIPTION)

Vacant N. Saginaw Street Pontiac MI



Issued By: First American Title Insurance Company
For questions regarding this commitment contact;
(248)540-4102 or fax to (866)550-1079
100 Bloomfield Hills Parkway, Suite 195
Bloomfield Hills, MI 48304

Schedule B – Section I REQUIREMENTS

Commitment No.: 574879

General Requirements

The following requirements must be met:

- (a) Payment of the full consideration to, or for the account of, the grantors or mortgagors should be made.
- (b) Payment of all taxes, charges, assessments, levied and assessed against subject premises, which are due and payable should be made.
- (c) Pay us the premiums, fees and charges for the policy.
- (d) You must tell us in writing the name of anyone not referred to in this Commitment who will receive an interest in the land or who will make a loan on the land. We may make additional requirements or exceptions.
- (e) Submit completed Owner's Estoppel/Affidavit/ALTA Statement on the form provided by this company and signed by or on behalf of all owners.

Specific Requirements

Documents satisfactory to us creating the interest in the land and/or mortgage to be insured must be signed, delivered and recorded:

1. PROVIDE SATISFACTORY EVIDENCE OF THE AUTHORITY OF THE PERSON OR PERSONS AUTHORIZED TO EXECUTE THE DEED ON BEHALF OF ECONOMIC DEVELOPMENT CORPORATION OF THE CITY OF PONTIAC, A MICHIGAN CORPORATION CREATED PURSUANT TO ACT 388 OF 1974, AS AMENDED.
2. WARRANTY DEED FROM OWNER NAMED ON SCHEDULE A TO THE PARTY TO BE INSURED.
3. APPLICATION HAS BEEN MADE FOR THE ISSUANCE OF OWNER'S POLICY WITHOUT STANDARD EXCEPTIONS. SUCH POLICY WILL BE ISSUED UPON RECEIPT OF THE FOLLOWING:
 - A) A FULLY EXECUTED OWNER'S AFFIDAVIT WHICH EVIDENCES THERE HAS BEEN NO WORK COMPLETED ON THE PROPERTY WITHIN THE LAST 90 DAYS OR, IF WORK HAS BEEN COMPLETED, A FINAL SWORN STATEMENT SATISFACTORY TO FIRST AMERICAN TITLE INSURANCE COMPANY. FULL UNCONDITIONAL WAIVERS OF LIEN MUST ACCOMPANY SUCH AFFIDAVIT; AND
 - B) AN ALTA/ACSM SURVEY OR OTHER SURVEY SATISFACTORY TO FIRST AMERICAN TITLE INSURANCE COMPANY WHICH IS CERTIFIED TO FIRST AMERICAN TITLE INSURANCE COMPANY AND THE UNDERWRITER NAMED IN THIS COMMITMENT. ADDITIONAL EXCEPTIONS WILL BE MADE FOR ANY EASEMENTS, ENCROACHMENTS OR OTHER MATTERS WHICH MAY BE DISCLOSED BY THE SURVEY.

Schedule B – Section II EXCEPTIONS

Commitment No.: 574879

Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

Defects, liens encumbrances adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the Proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this Commitment.

Part One: General Exceptions

Any policy we issue will have the following exceptions unless they are taken care of to our satisfaction:

1. Rights or claims of parties in possession not shown by the public records.
2. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey and inspection of the premises.
3. Easements, or claims of easements, not shown by the public records.
4. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown on the public records.
5. Taxes or special assessments which are not shown as existing liens by the public records.

Part Two: Specific Exceptions

1. Terms and Conditions contained in Deed of Michigan State Highway Commission as disclosed by instrument recorded in Liber 5562, page 282.
2. Oil, gas, mineral, and aboriginal antiquities reserved by the State of Michigan, and the terms, covenants and provisions contained in instrument recorded in Liber 14472, page 422.
3. Any rights, title interest or claim thereof to that portion of the land taken, used or granted for streets, roads or highways.
4. Rights of tenants, if any, under any unrecorded leases.
5. Lien for outstanding water or sewer charges, if any.
6. Taxes are EXEMPT
Tax Item No.: 14-29-276-037

NOTE: If subject property is connected to public/community water or sewer, furnish a copy of the current bill to First American Title Insurance Company showing that all charges have been paid to date or the Policy to be issued will include an exception on Schedule B for water and sewer charges which became a lien prior to the date of the Policy.

EXHIBIT A
LEGAL DESCRIPTION

File No.: 574879

The land referred to in this Commitment, situated in the County of Oakland, City of Pontiac, State of Michigan, is described as follows:

Lot 4, EXCEPT that part taken for Wide Track Drive, and all of Lots 5, 6, 7 and 8, of HODGES PLAT, according to the plat thereof as recorded in Liber 1 of Plats, page 12, and Liber 1 of Plats, page 19, and as amended by Decree recorded in Liber 477, page 74, Oakland County Records.

ALSO

Lots 1, 2, 3 and 4, of ASSESSOR'S PLAT NO. 28, according to the plat thereof as recorded in Liber 1 of Assessor's Plats, page 28, Oakland County Records.

ALSO

Part of Lot 5 lying Northwesterly of a line described as: Beginning at a Point on the North line of said Lot 5 which is 45.00 feet from the Northwest corner of said Lot 5; thence Southwesterly to a point on the Westerly line of said Lot 5 which is 45.00 feet South of said Northwest corner of said Lot 5 and the Point of Ending, of ASSESSOR'S PLAT NO. 28, according to the plat thereof as recorded in Liber 1 of Assessor's Plats, page 28, Oakland County Records.

Tax Item No. 14-29-276-037

Commitment for Title Insurance

FIRST AMERICAN TITLE INSURANCE COMPANY.

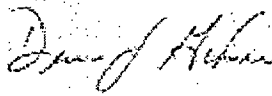
First American Title Insurance Company, a California corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

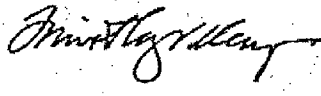
All liability and obligation under this Commitment shall cease and terminate six (6) months after the effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

First American Title Insurance Company



Dennis J. Gilmore
President



Timothy Kemp
Secretary



CONDITIONS:

1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions and Stipulations.
3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and Stipulations and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
5. The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at <http://www.alta.org/>.

Issued by: **First American Title Insurance Company**

100 Bloomfield Hills Parkway, Suite 195

Bloomfield Hills, Michigan 48304

Ph: (248)540-4102 or Fax to: (866)550-1079



First American Title

Privacy Information

We Are Committed to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our subsidiaries we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its Fair Information Values.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, or companies involved in real estate services, such as appraisal companies, home warranty companies and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's Fair Information Values. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Information Obtained Through Our Web Site

First American Financial Corporation is sensitive to privacy issues on the Internet. We believe it is important you know how we treat the information about you we receive on the Internet.

In general, you can visit First American or its affiliates' Web sites on the World Wide Web without telling us who you are or revealing any information about yourself. Our Web servers collect the domain names, not the e-mail addresses, of visitors. This information is aggregated to measure the number of visits, average time spent on the site, pages viewed and similar information. First American uses this information to measure the use of our site and to develop ideas to improve the content of our site.

There are times, however, when we may need information from you, such as your name and email address. When information is needed, we will use our best efforts to let you know at the time of collection how we will use the personal information. Usually, the personal information we collect is used only by us to respond to your inquiry, process an order or allow you to access specific account/profile information. If you choose to share any personal information with us, we will only use it in accordance with the policies outlined above.

Business Relationships

First American Financial Corporation's site and its affiliates' sites may contain links to other Web sites. While we try to link only to sites that share our high standards and respect for privacy, we are not responsible for the content or the privacy practices employed by other sites.

Cookies

Some of First American's Web sites may make use of "cookie" technology to measure site activity and to customize information to your personal tastes. A cookie is an element of data that a Web site can send to your browser, which may then store the cookie on your hard drive.

FirstAm.com uses stored cookies. The goal of this technology is to better serve you when visiting our site, save you time when you are here and to provide you with a more meaningful and productive Web site experience.

Fair Information Values

Fairness We consider consumer expectations about their privacy in all our businesses. We only offer products and services that assure a favorable balance between consumer benefits and consumer privacy.

Public Record We believe that an open public record creates significant value for society, enhances consumer choice and creates consumer opportunity. We actively support an open public record and emphasize its importance and contribution to our economy.

Use We believe we should behave responsibly when we use information about a consumer in our business. We will obey the laws governing the collection, use and dissemination of data.

Accuracy We will take reasonable steps to help assure the accuracy of the data we collect, use and disseminate. Where possible, we will take reasonable steps to correct inaccurate information. When, as with the public record, we cannot correct inaccurate information, we will take all reasonable steps to assist consumers in identifying the source of the erroneous data so that the consumer can secure the required corrections.

Education We endeavor to educate the users of our products and services, our employees and others in our industry about the importance of consumer privacy. We will instruct our employees on our fair information values and on the responsible collection and use of data. We will encourage others in our industry to collect and use information in a responsible manner.

Security We will maintain appropriate facilities and systems to protect against unauthorized access to and corruption of the data we maintain.

TC

2-10
89

LIBER 5562 PAGE 282

70 59449

Form 8413
(Rev. 12/44)

Sale 9-247-N
Items 1, 2
Control 63201A
Parcels 60 pt. A and B

DEED OF MICHIGAN STATE HIGHWAY COMMISSION

This Indenture, Made this 14th day of September, A.D., 1970.

Between the Michigan State Highway Commission whose address is Lansing, Michigan, first party.

and Thomas E. Liljeon, a single man, 210 N. Saginaw, Pontiac, Michigan

second party.

Witnesseth, That first party, for and in consideration of the sum of One Thousand One

Hundred Fifty and No/100 (\$1,150.00) Dollars,

receipt whereof is hereby acknowledged, does by these presents grant, bargain, sell, remise, release, alien and confirm unto second party, and the heirs and assigns thereof, forever, the certain parcel of land described as:

All that part of Lot 3 of Assessor's Plat No. 28, City of Pontiac, Oakland County, Michigan, as recorded in Liber 1 of Assessor's Plats, page 28, Oakland County Records, which lies Northwesterly of a line described as: beginning at a point on the North line of said Lot 3 which is 45 feet from the Northwest corner of said Lot 3; thence Southwesterly to a point on the Westerly line of said Lot 3 which is 45 feet from the Northwest corner of said Lot 3 and a point of ending; also All that part of Lot 4 of Hodges Addition, City of Pontiac, Oakland County, Michigan, as recorded in Liber 1 of Plats, page 12, Oakland County Records, which lies Northerly of a line described as: beginning at a point which is South 40 deg. 05' 39" West a distance of 33.62 feet, North 88 deg. 02' 54" East a distance of 77.808 feet and South 27 deg. 33' West a distance of 82.32 feet from the Southwest corner of Lot 6 of Assessor's Plat No. 27, City of Pontiac, Oakland County, Michigan, as recorded in Liber 1 of Assessor's Plats, page 27, Oakland County Records; thence North 62 deg. 27' 00" West a distance of 121.59 feet; thence South 80 deg. 02' 54" West a distance of 433.27 feet; thence Northwesterly to the Northwest corner of said Lot 4 and a point of ending.

THOMAS E. LILJEON
By _____
Notary Public
for Michigan
JAN 12 1971

This conveyance is given subject to provisions of Act 313, P. A. of 1966, as amended and to the following restrictive covenants which shall be construed as covenants running with the land, and shall be binding upon the Grantee named herein and the heirs and assigns thereof:

1. No junk yard, automobile salvage or automobile graveyard, garbage dump, or sanitary fill shall be maintained on any part of the described premises within 1,000 feet from an Interstate or a primary highway, except as provided in Act 313, P. A. of 1966, as amended.
2. The right to maintain public utility facilities existing on, under or over the land herein described is hereby reserved unto the owner of said facilities together with the right to go upon said lands for the purpose of maintaining said utility facilities.
3. That all water run-off and drainage from the abutting highway right-of-way shall be allowed a free and uninterrupted flow over the above-described parcel of land, and grantee shall not change the physical condition of the above-described parcel of land so as to impede the free flow of water run-off and drainage from the abutting highway right-of-way.
4. There shall be no right of direct ingress or egress from Highway I-75BL, US-10 BL, and M-39 (Wide Track Drive) and the clear vision area in the Northeast quadrant of the intersection of Highway I-75BL, US-10 BL, and M-39 (Wide Track Drive) and Saginaw Street from or to the lands herein described.

Law
No Law

LIBER 5562 PAGE 282

5562 PAGE 283

Together with all and singular the hereditaments and appurtenances thereto belonging or in anywise appertaining; to have and to hold the said premises, as hereby described, with the appurtenances, unto second party, and to the heirs and assigns thereof forever; and first party, for itself and its successors in office, does covenant, grant, bargain and agree to and with second party, that it has not heretofore done, committed or knowingly or willingly suffered to be done or committed, any act, matter or thing whatsoever, whereby the premises hereby granted, or any part thereof, is or shall or may be charged or encumbered in title, estate or otherwise howsoever; and that first party will warrant and defend the said granted premises, with the appurtenances, unto second party, the heirs and assigns thereof, forever, against the lawful claims and demands of all persons claiming by, from or under the first party but against no other person.

In Witness Whereof, First party has hereunto set its hand and seal the day and year first above written.

Signed and delivered in presence of:

Wanda N. Pickett
Wanda N. Pickett
Bernard F. Karber
Bernard F. Karber

Michigan State Highway Commission
Charles H. Hewitt Chairman
Henrik E. Stafnech
Henrik E. Stafnech
State Highway Director

STATE OF MICHIGAN }
COUNTY OF INGHAM }



On this 18th day of September, A.D. 1970, before me personally appeared Charles H. Hewitt and Henrik E. Stafnech to me known to be the same persons who executed the within instrument, who being by me duly sworn, did say that they are respectively, the Chairman of the Michigan State Highway Commission and the State Highway Director, and who acknowledged the above conveyance to be their free act and deed and the free act and deed of the Michigan State Highway Commission.

Charles H. Hewitt
Notary Public Ingham County, Michigan
Acting in Ingham County, Michigan.

WITNESSED BY: La Rager

My commission expires Feb. 13, 1971.

BUSINESS ADDRESS:
Michigan State Highway Commission
Lansing, Michigan

WITNESSED BY:
Notary Public, Ingham County, Michigan
My Commission Expires Feb. 13, 1971

DEED

MICHIGAN STATE HIGHWAY
COMMISSION

-10-

REGISTER'S OFFICE
Ingham County

This instrument was presented and
received for record this 19th day
of September, A.D. 1970
at Lansing, Michigan, as a proper
of deeds on page 283 in con-
firmation was furnished in con-
pliance with law.

Register of Deeds

STATE OF MICHIGAN
DEPARTMENT OF STATE RECORDS
Lansing, Michigan

5562 PAGE 283

20110

LIBER 144726422
STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES

94 059265



No. 173110

DEED under Act 223, Public Acts 1909, as amended.

THIS DEED, Made this 13th day of January 19 94

BY AND BETWEEN, The DEPARTMENT OF NATURAL RESOURCES for the STATE OF MICHIGAN, by authority of Act 17, P.A. 1921, as amended, and Act 380, P.A. 1965, as amended, hereafter called "First Party", and Economic Development Corporation of the City of Pontiac
8 N. Saginaw Street
Pontiac, Michigan 48342

hereafter called "Second Party".

WITNESS, that the First Party, acting for and in behalf of the State of Michigan by authority of Act 223, P.A. 1909, as amended, and for the sum of One (\$1.00) dollars paid to it by Second Party, hereby grants, conveys, and quit-claims unto the Second Party and to Second Party's successors and assigns, for public purposes, all the right, title and interest acquired by the State of Michigan in and to the following described land located in the county of Oakland, State of Michigan:

CITY OF PONTIAC
Assessors Plat No. 28

All that pt of Lot 5 lying NWly of a li desc as beg at a pt on N li 45 ft from NW cor th SWly to a pt on W lot li 45 ft S of sd NW cor

Hodges Plat

Lot 4 exc that part taken for wide track dr 14-29-276-034

(2)

1A028

RECEIVED
FEB 24 1994
12:00 PM

RECEIVED
FEB 24 1994
12:00 PM

9.00/1.5
2.20/1.5

OK - TR

It is expressly understood that when the above described land is no longer needed by the Second Party and sold for a valuable consideration, the proceeds from any such sale, in excess of expenditures for acquisition or improvement, shall be accounted for to the State and the local units of Government pro rata according to their several interests therein arising from the non-payment of taxes and special assessments thereon as appear in the offices of the State Treasurer, County, City, Village or Township Treasurers.

Exemption from County Real Property Transfer Fee is claimed under authority of Section 5(b), Act 134, P.A. 1966 (207.505, Compiled Laws).

PR 6304
Rev. 2/87

LIBER 144726423

SAVING AND EXCEPTING OUT OF THIS CONVEYANCE and always reserving unto the said State of Michigan, all mineral, coal, oil and gas lying and being on, within or under the said lands hereby conveyed, with full and free liberty and power to the said State of Michigan, its duly authorized officers, representatives and assigns, and its or their lessees, agents and workmen, and all other persons by its or their authority or permission, whether already given or hereafter to be given, at any time and from time to time, to enter upon said lands and take all usual, necessary, or convenient means for exploring, mining, working, piling, getting, laying up, storing, dressing, making merchantable, and taking away the said mineral, coal, oil and gas; and also saving and reserving unto the People of the State of Michigan the rights of ingress and egress over and across all the above mentioned descriptions of land lying along any watercourse or stream, pursuant to the provisions of Section 12, of Act 290, P.A. of 1909, as amended. Further, excepting and reserving to the State of Michigan, all aboriginal antiquities including mounds, earth-works, forts, burial and village sites, mines or other relics and also reserving the right to explore and excavate for the same, by and through its duly authorized agents and employees, pursuant to the provisions of Act 173, P.A. of 1929.

The First Party, by its Chief, Real Estate Division

has signed and affixed the seal of the Department of Natural Resources the day and year first above written.

Signed, Sealed and Delivered in Presence of:

Janet Griffin
Janet Griffin
Eunice J. Childers
Eunice J. Childers

DEPARTMENT OF NATURAL RESOURCES
FOR THE STATE OF MICHIGAN

By: Rodney A. Stokes, Chief
Real Estate Division

STATE OF MICHIGAN, }

County of Ingham

The foregoing instrument was acknowledged before me this 13th day of January, 19 94,
by Rodney A. Stokes, Chief, Real Estate Division
of the Department of Natural Resources for the State of Michigan.

Recorded in Liber 349 of Deeds, Page 110
(Real Estate Division Records)

Prepared by Lois A. Hinkle
DEPARTMENT OF NATURAL RESOURCES
Real Estate Division
Box 30028
Lansing, Michigan 48909

Roxanne L. Harris Notary Public
Ingham County, Michigan

My Commission Expires July 23, 1994

RETURN TO: —
MATTIE LASSEIGNE
PONTIAC GROWTH GROUP
811 SAGINAW
PONTIAC, MI 48342

DEED

State of Michigan

REGISTER'S OFFICE

County of _____

Received for Record this _____

day of _____

at _____ o'clock _____ M., and _____

recorded in Liber _____

of Deeds, at Page _____

Register

QUIT, CLAIM DEED.

STATUTORY FORM FOR CORPORATION **104751673**



88 95576
Philip F. Gneco
TITLE COMPANY

KNOW ALL MEN BY THESE PRESENTS: That CITY OF PONTIAC, a Michigan Municipal Corporation

the address of which is 450 Wide Track Drive, E., Pontiac, MI 48058

Quit Claim to ECONOMIC DEVELOPMENT CORPORATION OF THE CITY OF PONTIAC, a Michigan Corporation created pursuant to Act 388 of 1974, as amended.

whose street number and postoffice address is 17 S. Saginaw St., Pontiac, MI 48058

the following described premises situated in the CITY of PONTIAC County of OAKLAND and State of Michigan, to-wit:

(SEE ATTACHMENT FOR COMPLETE LEGAL DESCRIPTIONS)

10

8888 REG/NEEDS PAID
0001 JUN 30 '88 12:14PM
8897 NEEDS 7.00

together with all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining, for the sum of ONE DOLLAR (\$1.00)

Dated this 28th day of June 1988

Signed in the presence of:

Signed by:

Pauline McGinnis
Pauline McGinnis
Mattie L. Lasseigne
Mattie L. Lasseigne

CITY OF PONTIAC
By *Walter Moore*
Walter Moore
Mayor
In *Elizabeth M. Fletcher*
Elizabeth M. Fletcher
City Clerk

STATE OF MICHIGAN } ss.
County of Oakland }

The foregoing instrument was acknowledged before me this 28th day of June

19 88 by Walter Moore and Elizabeth M. Fletcher, Mayor and City Clerk, respectively of CITY OF PONTIAC

Michigan Municipal (Corporate Name)
corporation, on behalf of the corporation.
My Commission expires 19
Notary Public, County, Michigan

When Recorded Return To: DRAFTER	Send Subsequent Tax Bills To: GRANTEE	Drafted by: Mattie L. Lasseigne Business Address 35 E. Huron St. Pontiac, MI 48058
-------------------------------------	--	--

Tax Parcel # SEE ATTACHMENT Recording Fee \$7.00 Revenue Stamp EXEMPT PER MCLA 207.505(h)

7

LIBER 10475 674

(2) X

HODGES PLAT:

1019 Hodges Plat Lot 5
14-29-276-009

1019 Hodges Plat Lot 6 and also Lot 4, Assessor's Plat No. 28, said par being adj to each other and owned by the same party.
14-29-276-008

1019 Hodges Plat Lot 7, SE Ly 42 Ft and also all of Lot 3, Assessor's Plat No. 28, said par being adj to each other and owned by the same party.
14-29-276-007

1019 Hodges Plat NW Ly 18 ft of Lot 7 and also SE Ly 24 ft. of Lot 8 and all of Lot 2, Assessor's Plat No. 28, said par being adj to each other and owned by the same party.
14-29-276-006

1019 Hodges Plat Lot 8 exc SE ly 24 ft and also all of Lot 1, Assessor's Plat No. 28, said par being adj to each other and owned by the same party.
14-29-276-005

according to the plat thereof as recorded in Liber 1, Page 19 of Plats,
Oakland County Records (Hodges Plat)

also according to the plat thereof as recorded in Liber 1A, Page 28 of Plats,
Oakland County Records (Assessor's Plat No. 28)

LIBER 144726422
STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES

94 059265



No. 173110

DEED under Act 223, Public Acts 1909, as amended.

THIS DEED, Made this 13th day of January 19 94

BY AND BETWEEN, The DEPARTMENT OF NATURAL RESOURCES for the STATE OF MICHIGAN, by authority of Act 17, P.A. 1921, as amended, and Act 380, P.A. 1965, as amended, hereafter called "First Party", and
Economic Development Corporation of the City of Pontiac
8 N. Saginaw Street
Pontiac, Michigan 48342

hereafter called "Second Party".

WITNESS, that the First Party, acting for and in behalf of the State of Michigan by authority of Act 223, P.A. 1909, as amended, and for the sum of One (\$1.00)

dollars paid to it by Second Party, hereby grants, conveys, and quit-claims unto the Second Party and to Second Party's successors and assigns, for public purposes, all the right, title and interest acquired by the State of Michigan in and to the following described land located in the county of Oakland State of Michigan:

CITY OF PONTIAC

Assessors Plat No. 28

All that pt of Lot 5 lying NWly of a li desc as beg at a pt on N li 45 ft from NW cor th SWly to a pt on W lot li 45 ft S of sd NW cor

Hodges Plat

Lot 4 exc that part taken for wide track dr 14-29-076-034

(2)

1A028

REC'D - RECORDS PAID
JAN 24 1994 12:55PM
LIFE DEEDS 5.00

REC'D - RECORDS PAID
JAN 24 1994 12:55PM
LIFE DEED 2.00

9.00
2.00

OK - TR

It is expressly understood that when the above described land is no longer needed by the Second Party and sold for a valuable consideration, the proceeds from any such sale, in excess of expenditures for acquisition or improvement, shall be accounted for to the State and the local units of Government pro rata according to their several interests therein arising from the non-payment of taxes and special assessments thereon as appear in the offices of the State Treasurer, County, City, Village or Township Treasurers.

Exemption from County Real Property Transfer Fee is claimed under authority of Section 5(b), Act 134, P.A. 1986 (207.505, Compiled Laws).

PR 6304
Rev. 2/87

LIBER 144720423

SAVING AND EXCEPTING OUT OF THIS CONVEYANCE and always reserving unto the said State of Michigan, all mineral, coal, oil and gas, lying and being on, within or under the said lands hereby conveyed, with full and free liberty and power to the said State of Michigan, its duly authorized officers, representatives and assigns, and its or their lessees, agents and workmen, and all other persons by its or their authority or permission, whether already given or hereafter to be given, at any time and from time to time, to enter upon said lands and take all usual, necessary, or convenient means for exploring, mining, working, pining, getting, laying up, storing, dressing, making merchantable, and taking away the said mineral, coal, oil and gas; and also saving and reserving unto the People of the State of Michigan the rights of ingress and egress over and across all the above mentioned descriptions of land lying along any watercourse or stream, pursuant to the provisions of Section 12, of Act 280, P.A. of 1909, as amended. Further, excepting and reserving to the State of Michigan, all aboriginal antiquities including mounds, earth-works, forts, burial and village sites, mines or other relics and also reserving the right to explore and excavate for the same, by and through its duly authorized agents and employees, pursuant to the provisions of Act 173, P.A. of 1929.

The First Party, by its Chief, Real Estate Division
has signed and affixed the seal of the Department of Natural Resources the day and year first above written.

Signed, Sealed and Delivered in Presence of:

Janet Griffin
Janet Griffin
Eunice J. Childers
Eunice J. Childers

DEPARTMENT OF NATURAL RESOURCES
FOR THE STATE OF MICHIGAN

By: Rodney A. Stokes, Chief
Real Estate Division

STATE OF MICHIGAN, }
County of Ingham }

The foregoing instrument was acknowledged before me this 13th day of January, 1994
by Rodney A. Stokes, Chief, Real Estate Division
of the Department of Natural Resources for the State of Michigan.

Rosalanne L. Harris
Rosalanne L. Harris Notary Public
Ingham County, Michigan

Recorded in Liber 349 of Deeds, Page 110
(Real Estate Division Records)
Prepared by Lois A. Hinkle
DEPARTMENT OF NATURAL RESOURCES
Real Estate Division
Box 30028
Lansing, Michigan 48909

My Commission Expires July 23, 1994

Return to:
MATTIE LASSEIGNE
PONTIAC GROWTH GROUP
8 N. SAGINAW
PONTIAC, MI 48302

DEED
to
State of Michigan

REGISTRAR'S OFFICE
County of _____
Received for Record this _____ day of _____ 19____
at _____ o'clock _____ M., and
recorded in Liber _____
of Deeds, at Page _____
Registrar _____

STATE OF FLORIDA
COUNTY OF PALM BEACH
SUBSCRIBED AND SIGNED BEFORE ME
LIBER 27170 PAGE 088

27170-88

THIS 16 day of August 2002 BY

Merwin Grosberg WHO

PRODUCED DL # 5621-SS1-12-343

AS IDENTIFICATION

[Signature]
NOTARY PUBLIC

475522
LIBER 27170 PAGE 28
\$7.00 DEED - COMBINED
\$2.00 REMONUMENTATION
11/21/2002 01:47:17 P.M. RECEIVED
PAID RECORDED - OAKLAND COUNTY
G.WILLIAM CARROLL, CLERK

QUIT CLAIM DEED

KNOW ALL MEN BY THESE PRESENTS: That the CHARLES GROSBERG FOUNDATION, a Michigan non-profit corporation, whose address is 121 W. Long Lake Road, Second Floor, Bloomfield Hills, Michigan 48304.

Quit Claims to the ECONOMIC DEVELOPMENT CORPORATION OF THE CITY OF PONTIAC, a Michigan corporation pursuant to 1974 P.A. 388, as amended, whose address is 8 N. Saginaw, Pontiac, Michigan 48342;

the following described premises situated in the City of Pontiac, County of Oakland, and the State of Michigan, to wit:

Lot 1 of Assessor's Plat No. 28, as recorded at Liber 1A, Page 28, Oakland County Records.

Tax Identification No.: Part of 14-29-276-005 14-29-276-035
Commonly Known As: Vacant Land, Pontiac, Michigan

together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining. This conveyance is executed without monetary consideration and given to confirm title already vested in the grantee and to correct a flaw in the title record. Exempt from Real Estate Transfer Tax pursuant to MCL 207.505(a) and MCL 207.505(1), and MCL 207.526(a) and MCL 207.526(n).

Dated this 16 day of August, 2002

Signed in presence of:

Sherry Turner
[Signature]
R.R. Belloni Jr

Signed by:

CHARLES GROSBERG FOUNDATION, a Michigan non-profit corporation.

BY:

Merwin Grosberg
MERWIN GROSBERG

ITS:

President

OK-G.V.

STATE OF MICHIGAN
COUNTY OF OAKLAND

The foregoing instrument was acknowledged before me this 16 day of August, 2002, by MERWIN GROSBERG, President of the Charles Grosberg Foundation, a Michigan non-profit corporation, on behalf of the corporation.

Notary Public.

My commission expires.

County, Michigan

OFFICIAL NOTARY SEAL
JOHN PANTER III
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. 0086133
EXPIRATION DATE 12/31/2006

When Recorded Return To: Boris K. Yakima, Esq. MONAGHAN, LoPRETE, McDONALD, YAKIMA & GRNEKE 40700 Woodward Avenue, Suite A Bloomfield Hills, Michigan 48304	Send Subsequent Tax Bills To EXEMPT	Drafted By: Boris K. Yakima, Esq. MONAGHAN, LoPRETE, McDONALD, YAKIMA & GRNEKE 40700 Woodward Avenue, Suite A Bloomfield Hills, Michigan 48304
Tax Parcel #: Part of 14-29-276-005	Recording Fee \$	Revenue Stamps EXEMPT

GRECO

APPENDIX G

Vacant Parcel

Vacant Parcel

Pontiac, MI 48342

Inquiry Number: 3299834.2s

April 18, 2012

The EDR Radius Map™ Report with GeoCheck®

Prepared using the EDR FieldCheck® System



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum.....	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

A search of the environmental records was conducted by Environmental Data Resources, Inc. (EDR). APPLIED SCIENCE & TECHNOLOGY used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by APPLIED SCIENCE & TECHNOLOGY. The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

VACANT PARCEL
PONTIAC, MI 48342

COORDINATES

Latitude (North): 42.6431000 - 42° 38' 35.16"
Longitude (West): 83.2937000 - 83° 17' 37.32"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 311956.4
UTM Y (Meters): 4723519.0
Elevation: 938 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-F3 PONTIAC NORTH, MI
Most Recent Revision: 1997

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7.

Site	Database(s)	EPA ID
WIDETRACK DRIVE AND N. SAGINAW, N WIDETRACK DRIVE AND N. SAGINAW PONTIAC, MI	BROWNFIELDS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

AST..... Aboveground Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Facilities
HIST LF..... Inactive Solid Waste Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CDL..... Clandestine Drug Lab Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System

EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database
WDS.....	Waste Data System
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the RCRA-SQG list, as provided by EDR, and dated 11/10/2011 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAFAYETTE PLACE LOFTS LLC	149 N PERRY ST	SSE 1/8 - 1/4 (0.174 mi.)	A5	12

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's Contaminated Sites List on Diskette With Address.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the SHWS list, as provided by EDR, and dated 01/30/2012 has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PADDOCK & M-59 DRUMS Facility Status: Interim Response conducted - No further activities anticipated	N. PADDOCK & M-59	E 1/2 - 1 (0.521 mi.)	30	56
ASPHALT SPECIALIST INC Facility Status: Delisted - no longer meets criteria specified in rules	1908 WIDE TRACK DRIVE	SSE 1/2 - 1 (0.543 mi.)	31	56
CITY OF PONTIAC Facility Status: Interim Response in progress	55 WESSEN STREET	S 1/2 - 1 (0.798 mi.)	E32	57

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the LUST list, as provided by EDR, and dated 02/01/2012 has revealed that there are 11 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VOORHEES SIPLE FUNERAL HOME Facility Status: Closed	268 N PERRY ST	ENE 1/8 - 1/4 (0.168 mi.)	2	7
SERVICAR OF MICHIGAN, INC Facility Status: Closed	307 CESAR E CHAVEZ AVE	WNW 1/4 - 1/2 (0.473 mi.)	C24	45
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAFAYETTE PLACE LOFTS LLC Facility Status: Open	149 N PERRY ST	SSE 1/8 - 1/4 (0.174 mi.)	A3	9
GENERAL MOTORS CORPORATION - R Facility Status: Open Facility Status: Closed	65 EAST UNIVERSITY DR	SE 1/4 - 1/2 (0.266 mi.)	9	19
AT&T MICHIGAN Facility Status: Closed	54 N MILL ST	SSE 1/4 - 1/2 (0.380 mi.)	14	29

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OIC OF OAKLAND COUNTY Facility Status: Closed	62-64 W LAWRENCE	S 1/4 - 1/2 (0.413 mi.)	16	33
FORMER FORTERS AUTO WASH Facility Status: Open	149 W HURON ST	SSW 1/4 - 1/2 (0.441 mi.)	17	35
CITY OF PONTIAC Facility Status: Closed	216 UNIVERSITY DR	E 1/4 - 1/2 (0.443 mi.)	18	35
SALVATION ARMY ADULT REHABILIT Facility Status: Closed	117 W LAWRENCE ST., PO	SSW 1/4 - 1/2 (0.459 mi.)	19	37
OAKLAND AUTO SUPPLY Facility Status: Closed	50606 WOODWARD AVE	S 1/4 - 1/2 (0.462 mi.)	20	38
MICHIGAN NATL CORP Facility Status: Open	40 W PIKE ST	S 1/4 - 1/2 (0.470 mi.)	B22	43

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the UST list, as provided by EDR, and dated 02/01/2012 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VOORHEES SIPLE FUNERAL HOME	268 N PERRY ST	ENE 1/8 - 1/4 (0.168 mi.)	2	7
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAFAYETTE PLACE LOFTS LLC	149 N PERRY ST	SSE 1/8 - 1/4 (0.174 mi.)	A3	9

State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the AUL list, as provided by EDR, and dated 12/14/2011 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SERVICAR OF MICHIGAN INC-PONTI	307 CEASAR E CHAVEZ AVE	WNW 1/4 - 1/2 (0.473 mi.)	C25	46

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the US BROWNFIELDS list, as provided by EDR, and dated 06/27/2011 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CENTRAL SCHOOL	101 EAST PIKE STREET	SE 1/4 - 1/2 (0.489 mi.)	29	51
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
41 SAGINAW STREET	41 SAGINAW STREET	S 1/4 - 1/2 (0.355 mi.)	13	24
CLINTON RIVER	100 PIKE ST E	SE 1/4 - 1/2 (0.476 mi.)	D26	47
FORMER SEARS PROPERTY	100 PIKE ST E	SE 1/4 - 1/2 (0.476 mi.)	D27	49

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does support it's listing or the site no longer meets criteria specified in rules.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the DEL SHWS list, as provided by EDR, and dated 02/06/2012 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASPHALT SPECIALIST INC	1908 WIDE TRACK DRIVE	SSE 1/2 - 1 (0.543 mi.)	31	56

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the RCRA-NonGen list, as provided by EDR, and dated 11/10/2011 has revealed that there are 3 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PONTIAC INDUSTRIAL PLATIN	27 JACOKES ST	SW 1/8 - 1/4 (0.184 mi.)	6	14
DOWNTOWN VALET CLEANERS	113 N PERRY ST	SSE 1/8 - 1/4 (0.234 mi.)	7	16
JAY SHOP INC	197 CESAR E CHAVEZ AVE	WNW 1/8 - 1/4 (0.239 mi.)	8	17

EXECUTIVE SUMMARY

BEA: Baseline Environmental Assessment.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the BEA list, as provided by EDR, and dated 02/23/2012 has revealed that there are 9 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SERVICAR OF MICHGAN INC. PROPE	307 CEASAR CHAVEZ AVENU	WNW 1/4 - 1/2 (0.471 mi.)	C23	44
JOHN POPONEA ASSOCIATES, INC.	481 N. SAGINAW STREET	N 1/4 - 1/2 (0.485 mi.)	28	51
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAFAYETTE PLACE LOFTS, LLC	154 NORTH SAGINAW STREE	SSE 1/8 - 1/4 (0.174 mi.)	A4	12
C. LANE MALLY, L.L.C.	109 NORTH CASS AVENUE	WSW 1/4 - 1/2 (0.309 mi.)	10	23
PONTIAC PUBLIC SCHOOL ACADEMY	140 NORTH CASS	WSW 1/4 - 1/2 (0.325 mi.)	11	23
CHARTER ONE BANK, F.S.B.	71-75 WEST HURON ROAD	SSW 1/4 - 1/2 (0.341 mi.)	12	24
DT ASSETS, LLC	29 WEST LAWRENCE STREETS	1/4 - 1/2 (0.398 mi.)	15	32
40 WEST PIKE STREET, L.L.C.	40 WEST PIKE STREET	S 1/4 - 1/2 (0.470 mi.)	B21	42
MICHIGAN NATL CORP	40 W PIKE ST	S 1/4 - 1/2 (0.470 mi.)	B22	43

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

An online review and analysis by APPLIED SCIENCE & TECHNOLOGY of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GAS WORKS	55 WESSEN STREET	S 1/2 - 1 (0.798 mi.)	E33	57

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
OPDYKE & AUBURN DRUMS	SHWS
CLARK SERVICE STATION (FORMER)	LUST, BEA
WIDE TRACK & N. SAGINAW	DEL SHWS

OVERVIEW MAP - 3299834.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

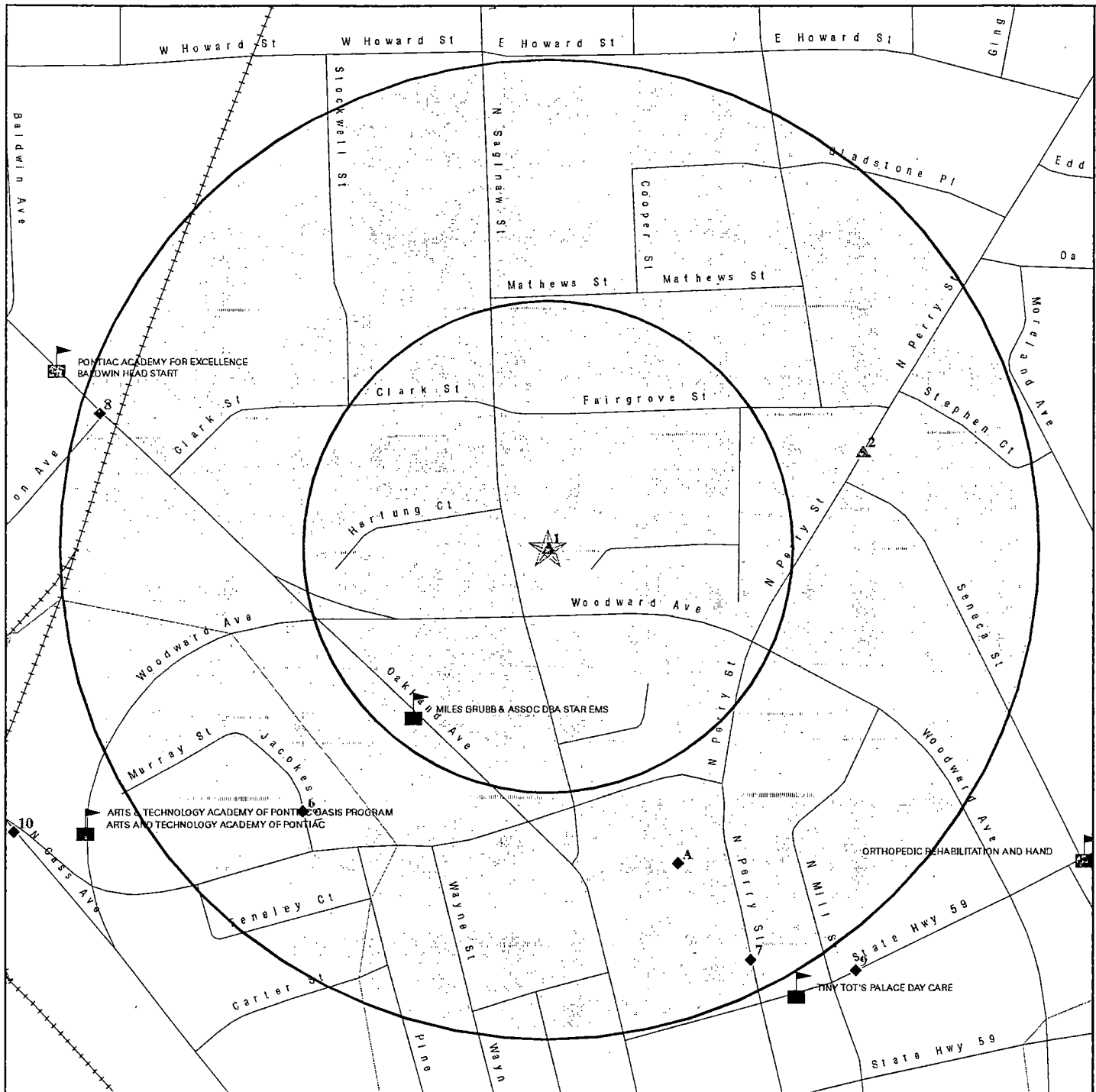
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Vacant Parcel
 ADDRESS: Vacant Parcel
 Pontiac MI 48342
 LAT/LONG: 42.6431 / 83.2937

CLIENT: Applied Science & Technology
 CONTACT: Carey Kratz
 INQUIRY #: 3299834.2s
 DATE: April 18, 2012 11:55 am

DETAIL MAP - 3299834.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ Sensitive Receptors

■ National Priority List Sites

■ Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Vacant Parcel
ADDRESS: Vacant Parcel
Pontiac MI 48342
LAT/LONG: 42.6431 / 83.2937

CLIENT: Applied Science & Technology
CONTACT: Carey Kratz
INQUIRY #: 3299834.2s
DATE: April 18, 2012 11:57 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	2	9	NR	NR	11
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250		0	2	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500	1	0	0	0	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	4	NR	NR	4
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	1	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.250		0	3	NR	NR	NR	3
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	1	8	NR	NR	9
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000		0	0	0	1	NR	1
EDR Historical Auto Stations	0.250		0	0	NR	NR	NR	0
EDR Historical Cleaners	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
Target
Property
WIDETRACK DRIVE AND N. SAGINAW, NE CORNER VACANT LOT
WIDETRACK DRIVE AND N. SAGINAW
PONTIAC, MI

BROWNFIELDS S107135830
N/A

Actual:
938 ft.

BROWNFIELD:
Facility ID: Not reported
Region: 1
Status: Not reported
Property Use: Not reported
Use at Time of Listing: Not reported
BEA: No
Emie Id Number: 63001015

2
ENE
1/8-1/4
0.168 mi.
889 ft.
Relative:
Higher
Actual:
946 ft.

VOORHEES SIPLE FUNERAL HOME
268 N PERRY ST
PONTIAC, MI 48342

LUST U003320371
UST N/A
AIRS

LUST:
Facility ID: 00004658
Source: STATE OF MICHIGAN
Owner Name: Voorhees Siple Funeral Home
Owner Address: 268 N Perry St
Owner City,St,Zip: Pontiac, MI 48342-2346
Owner Contact: Not reported
Owner Phone: (248) 332-8378
Country: USA
District: SE Michigan District Office
Site Name: Voorhees Siple Funeral Home
Latitude: 42.64392
Longitude: -83.29034
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0400-00
Release Date: 04/19/2000
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 12/20/2006

UST:
Facility ID: 00004658
Facility Type: CLOSED
Latitude: 42.64392
Longitude: -83.29034
Owner Name: VOORHEES SIPLE FUNERAL HOME
Owner Address: 268 N PERRY ST
Owner City,St,Zip: PONTIAC, MI 48342-2346
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 332-8378
Contact: TIMOTHY D SUMMERFORD
Contact Phone: (248) 332-8378
Date of Collection: 01/11/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOORHEES SIPLE FUNERAL HOME (Continued)

U003320371

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 01/01/1955
Product: Gasoline
Remove Date: 04/19/2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

AIRS:

El Year: 1991
State Registration Number: G4209
Naics Code: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: Not reported
Date Received: Not reported
State Registration Number: G4209
Country: Not reported
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: 7261
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: VOORHEIS-SIPLE FUNERAL HOM
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VOORHEES SIPLE FUNERAL HOME (Continued)

U003320371

Emission Inventory Contact Person: WANDA L SIPLE
EI Contact Area Code: 313
EI Contact Phone Number: 3328378
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: 0
Of Employees: 0
Reporting Year: 82
Date Record Was Created: Not reported

A3 LAFAYETTE PLACE LOFTS LLC
SSE 149 N PERRY ST
1/8-1/4 PONTIAC, MI 48342
0.174 mi.
920 ft. Site 1 of 3 in cluster A

LUST U004179560
UST N/A

Relative:
Lower

LUST:

Facility ID: 00042302
Source: Not reported
Owner Name: Lafayette Place Lofts LLC
Owner Address: 79 Oakland Ave
Owner City,St,Zip: Pontiac, MI 48342
Owner Contact: Not reported
Owner Phone: (248) 758-9925
Country: USA
District: SE Michigan District Office
Site Name: Former Sears Auto Center
Latitude: Not reported
Longitude: Not reported
Date of Collection: Not reported
Method of Collection: Not reported
Accuracy: Not reported
Accuracy Value Unit: Not reported
Horizontal Data: Not reported
Point Line Area: Not reported
Desc Category: Not reported

Leak Number: C-0023-11
Release Date: 02/23/2011
Substance Released: Unknown,Unknown,Unknown,Unknown,Unknown,Unknown,Unknown,Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00042302
Facility Type: ACTIVE
Latitude: Not reported
Longitude: Not reported
Owner Name: LAFAYETTE PLACE LOFTS LLC
Owner Address: 79 OAKLAND AVE
Owner City,St,Zip: PONTIAC, MI 48342
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 758-9925
Contact: Kyle Westberg
Contact Phone: Not reported
Date of Collection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAFAYETTE PLACE LOFTS LLC (Continued)

U004179560

Accuracy: Not reported
Accuracy Value Unit: Not reported
Horizontal Datum: Not reported
Source: Not reported
Point Line Area: Not reported
Desc Category: Not reported
Method of Collection: Not reported

Tank ID: 1
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 3
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 4
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAFAYETTE PLACE LOFTS LLC (Continued)

U004179560

Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 5
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 6
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 7
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 8
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAFAYETTE PLACE LOFTS LLC (Continued)

U004179560

Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 9
Tank Status: Temporarily out of Use
Capacity: 2000
Install Date: Not reported
Product: Unknown
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

A4
SSE
1/8-1/4
0.174 mi.
920 ft.

LAFAYETTE PLACE LOFTS, LLC
154 NORTH SAGINAW STREET
PONTIAC, MI 48342

BEA **S110996823**
N/A

Site 2 of 3 in cluster A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 4736
District: Southeast MI
Date Received: 3/10/2011 12:59:00 AM
Submitter Name: Lafayette Place Lofts LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: mitchelf
Division Assigned: Storage Tank Division

A5
SSE
1/8-1/4
0.174 mi.
920 ft.

LAFAYETTE PLACE LOFTS LLC
149 N PERRY ST
PONTIAC, MI 48342

RCRA-SQG **1014392113**
MIK481393965

Site 3 of 3 in cluster A

Relative:
Lower

RCRA-SQG:
Date form received by agency: 02/23/2011
Facility name: LAFAYETTE PLACE LOFTS LLC
Facility address: 149 N PERRY ST
PONTIAC, MI 48342
EPA ID: MIK481393965
Mailing address: 79 OAKLAND AVE
PONTIAC, MI 48342
Contact: BOB DAVIS
Contact address: 149 N PERRY ST
PONTIAC, MI 48342
Contact country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAFAYETTE PLACE LOFTS LLC (Continued)

1014392113

Contact telephone: (248) 758-9925
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: LAFAYETTE PLACE LOFTS LLC
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/02/2011
Owner/Op end date: Not reported

Owner/operator name: LAFAYETTE PLACE LOFTS LLC
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/02/2011
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/1980
Facility name: LAFAYETTE PLACE LOFTS LLC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAFAYETTE PLACE LOFTS LLC (Continued)

1014392113

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

6
SW
1/8-1/4
0.184 mi.
970 ft.

PONTIAC INDUSTRIAL PLATIN
27 JACOKES ST
PONTIAC, MI 48342

RCRA-NonGen 1000411345
FINDS MID005375308

Relative:
Lower

Actual:
918 ft.

RCRA-NonGen:

Date form received by agency: 09/17/1998

Facility name: PONTIAC INDUSTRIAL PLATIN

Facility address: 27 JACOKES ST
PONTIAC, MI 48342

EPA ID: MID005375308

Mailing address: **NON- RESPONSIVE**

Contact: WILLIAM VIGUS

Contact address: 27 JACOKES ST
PONTIAC, MI 48342

Contact country: US

Contact telephone: (313) 334-6788

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PONTIAC INDUSTRIAL PLATING

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: PONTIAC INDUSTRIAL PLATING

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PONTIAC INDUSTRIAL PLATIN (Continued)

1000411345

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/20/1980

Facility name: PONTIAC INDUSTRIAL PLATIN

Classification: Not a generator, verified

Date form received by agency: 09/15/1980

Facility name: PONTIAC INDUSTRIAL PLATIN

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110008443773

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7
SSE
1/8-1/4
0.234 mi.
1235 ft.

DOWNTOWN VALET CLEANERS
113 N PERRY ST
PONTIAC, MI 48342

RCRA-NonGen
FINDS
1001124119
MIR000020537

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 11/02/1998

Facility name: DOWNTOWN VALET CLEANERS

Facility address: 113 N PERRY ST
PONTIAC, MI 48342

EPA ID: MIR000020537

Contact: BILL QUINN

Contact address: 113 N PERRY ST
PONTIAC, MI 48342

Contact country: US

Contact telephone: (810) 332-0220

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BILL QUINN

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Owner/operator name: BILL QUINN

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1970

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOWNTOWN VALET CLEANERS (Continued)

1001124119

Used oil transporter: No

Historical Generators:

Date form received by agency: 12/11/1996

Facility name: DOWNTOWN VALET CLEANERS

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003699098

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

8
WNW
1/8-1/4
0.239 mi.
1264 ft.

JAY SHOP INC
197 CESAR E CHAVEZ AVE
PONTIAC, MI 48342

RCRA-NonGen 1007989866
MIK166941567

Relative:
Lower

RCRA-NonGen:

Date form received by agency: 01/24/2005

Facility name: JAY SHOP INC

Facility address: 197 CESAR E CHAVEZ AVE
PONTIAC, MI 48342

EPA ID: MIK166941567

Mailing address: 242 CESAR E CHAVEZ AVE
PONTIAC, MI 48342

Contact: DON BOYT

Contact address: 197 CESAR E CHAVEZ AVE
PONTIAC, MI 48342

Contact country: US

Contact telephone: (248) 335-7470

Contact email: Not reported

EPA Region: 05

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
926 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JAY SHOP INC (Continued)

1007989866

Owner/Operator Summary:

Owner/operator name: ANNIE C WELCH
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/1965
Owner/Op end date: Not reported

Owner/operator name: ANNIE C WELCH
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/1965
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

9
SE
1/4-1/2
0.266 mi.
1407 ft.

GENERAL MOTORS CORPORATION - REMEDIATION
65 EAST UNIVERSITY DR
PONTIAC, MI 48342

LUST
UST
U000262943
N/A

Relative:
Lower

LUST:

Facility ID: 00015260
Source: STATE OF MICHIGAN
Owner Name: General Motors Corporation - Remediation
Owner Address: 2000 Centerpoint Pkwy MC-483-520-190
Owner City,St,Zip: Pontiac, MI 48341-3147
Owner Contact: Fred Rindhage
Owner Phone: (248) 753-5790
Country: USA
District: SE Michigan District Office
Site Name: GM Pontiac Employee Development Center
Latitude: 42.64023
Longitude: -83.29054
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0328-06
Release Date: 11/06/2006
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-1142-91
Release Date: 06/07/1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 12/22/1995

UST:

Facility ID: 00015260
Facility Type: ACTIVE
Latitude: 42.64023
Longitude: -83.29054
Owner Name: GENERAL MOTORS CORPORATION - REMEDIATION
Owner Address: 2000 CENTERPOINT PKWY MC-483-520-190
Owner City,St,Zip: PONTIAC, MI 48341-3147
Owner Country: USA
Owner Contact: Fred Rindhage
Owner Phone: (248) 753-5790
Contact: fFred Rindhage
Contact Phone: (248) 753-5790
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION - REMEDIATION (Continued)

U000262943

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 04/04/1950
Product: Not reported
Remove Date: 04/01/1980
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 04/04/1950
Product: Not reported
Remove Date: 04/01/1986
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 04/04/1950
Product: SPILL TANK,DILUTE SULFURIC ACID,7,
Remove Date: 12/18/1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION - REMEDIATION (Continued)

U000262943

Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Currently In Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION - REMEDIATION (Continued)

U000262943

Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 11
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 12
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 13
Tank Status: Currently In Use
Capacity: 50

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GENERAL MOTORS CORPORATION - REMEDIATION (Continued)

U000262943

Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 14
Tank Status: Currently In Use
Capacity: 50
Install Date: 04/04/1978
Product: HYDRAULIC OIL
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

10
WSW
1/4-1/2
0.309 mi.
1633 ft.

C. LANE MALLY, L.L.C.
109 NORTH CASS AVENUE
PONTIAC, MI

BEA S104911953
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 720
District: Southeast MI
Date Received: 9/23/1998
Submitter Name: C. LANE MALLY
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Environmental Response Division

Actual:
926 ft.

11
WSW
1/4-1/2
0.325 mi.
1716 ft.

PONTIAC PUBLIC SCHOOL ACADEMY
140 NORTH CASS
PONTIAC, MI

BEA S105254630
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 1597
District: Southeast MI
Date Received: 1/4/2002 12:59:00 AM
Submitter Name: PONTIAC PUBLIC SCHOOL ACADEMY
Petition Determination: No Request

Actual:
925 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PONTIAC PUBLIC SCHOOL ACADEMY (Continued)

S105254630

Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 1489
District: Southeast MI
Date Received: 9/11/2001 12:59:00 AM
Submitter Name: BAYPON ACADEMY LEASING LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: labrecqd
Division Assigned: Environmental Response Division

12
SSW
1/4-1/2
0.341 mi.
1799 ft.

**CHARTER ONE BANK, F.S.B.
71-75 WEST HURON ROAD
PONTIAC, MI**

**BEA S104910223
N/A**

**Relative:
Lower**

BEA:
Secondary Address: Not reported
BEA Number: 151
District: Southeast MI
Date Received: 8/13/1996
Submitter Name: KENNETH L. URWILLER II, ESQ.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: taylorre
Division Assigned: Environmental Response Division

**Actual:
922 ft.**

13
South
1/4-1/2
0.355 mi.
1874 ft.

**41 SAGINAW STREET
41 SAGINAW STREET
PONTIAC, MI 48342**

**US BROWNFIELDS S1012172593
N/A**

**Relative:
Lower**

US BROWNFIELDS:
Recipient name: Oakland County
Grant type: Assessment
Property name: 41 Saginaw Street
Property #: Not reported
Parcel size: .2
Latitude: 42.636063
Longitude: -83.291515
HCM label: Address Matching-House Number
Map scale: 100000
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 14679

**Actual:
932 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1012172593

Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: 30-JUN-03
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1012172593

Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: 0
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Oakland County
Grant type: Assessment
Property name: 41 Saginaw Street
Property #: Not reported
Parcel size: .2
Latitude: 42.636063
Longitude: -83.291515
HCM label: Address Matching-House Number
Map scale: 100000
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 14679
Start date: 30-JUN-02
Completed date: 30-JUN-02
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1012172593

IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contaminants found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Oakland County
Grant type: Assessment
Property name: 41 Saginaw Street
Property #: Not reported
Parcel size: .2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1012172593

Latitude: 42.636063
Longitude: -83.291515
HCM label: Address Matching-House Number
Map scale: 100000
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 14679
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Phase I Environmental Assessment
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

41 SAGINAW STREET (Continued)

1012172593

PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

14
SSE
1/4-1/2
0.380 mi.
2005 ft.

**AT&T MICHIGAN
54 N MILL ST
PONTIAC, MI 48342**

**LUST U003329970
UST N/A
AIRS**

**Relative:
Lower**

LUST:

Facility ID: 00011769
Source: STATE OF MICHIGAN
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202-5399
Owner Contact: Lisa Espinosa
Owner Phone: (800) 566-9347
Country: USA
District: SE Michigan District Office
Site Name: Ameritech-pontiac Central Office
Latitude: 42.63962
Longitude: -83.29068
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

**Actual:
915 ft.**

Leak Number: C-1291-97
Release Date: 12/30/1997
Substance Released: Unknown
Release Status: Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T MICHIGAN (Continued)

U003329970

Release Closed Date: 05/26/1998

UST:

Facility ID: 00011769
Facility Type: ACTIVE
Latitude: 42.63962
Longitude: -83.29068
Owner Name: AT&T MICHIGAN
Owner Address: 308 S AKARD STE 1700
Owner City,St,Zip: DALLAS, TX 75202-5399
Owner Country: USA
Owner Contact: Lisa Espinosa
Owner Phone: (800) 566-9347
Contact: Environmental Management (Cheryl Allen)
Contact Phone: (866) 492-6836
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 05/08/1969
Product: Diesel
Remove Date: 12/04/1997
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 05/08/1969
Product: Kerosene
Remove Date: 12/05/1997
Tank Release Detection: Automatic Tank Gauging, Manual Tank Gauging
Pipe Release Detection: Interstitial Monitoring/Second Containment
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 05/08/1969
Product: Kerosene
Remove Date: 12/08/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T MICHIGAN (Continued)

U003329970

Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Copper
Piping Type: Suction: Valve at Tank
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 15000
Install Date: 05/08/1969
Product: Kerosene
Remove Date: 12/08/1997
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Cathodically Protected,Copper
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Currently In Use
Capacity: 10000
Install Date: 01/01/1998
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Construction Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 10000
Install Date: 01/01/1998
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inventory Control
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping
Piping Material: BLACK STEEL,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Construction Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

AIRS:

EI Year: 2012
State Registration Number: N8013
Naics Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T MICHIGAN (Continued)

U003329970

Contact Name: DANIEL JAMES
Contact Phone: 210351-2104
Contact Address: MICH BELL TELEPHONE, DBA AT&T
Contact Address 2: 1458 BLUEBELL DRIVE
Contact City, St, Zip: LIVERMORE, CA 94551
Permit Number: 81-08
Date Received: 03/26/2008
State Registration Number: N8013
Country: Not reported
Application Reason: GENERAL PTI - DIESEL FUEL-FIRED ENGINE GENERATORS
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

15
South
1/4-1/2
0.398 mi.
2102 ft.

DT ASSETS, LLC
29 WEST LAWRENCE STREET
PONTIAC, MI 48342

BEA S106896544
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 2766
District: Southeast MI
Date Received: 4/28/2005 12:59:00 AM
Submitter Name: DT Assets, LLC
Petition Determination: Affirmed
Petition Disclosure: 1

Actual:
918 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DT ASSETS, LLC (Continued)

S106896544

Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: mathewsb
Division Assigned: Environmental Response Division

16
South
1/4-1/2
0.413 mi.
2182 ft.

OIC OF OAKLAND COUNTY
62-64 W LAWRENCE
PONTIAC, MI 48341

LUST U003426289
UST N/A

Relative:
Lower

LUST:

Facility ID: 00039681
Source: STATE OF MICHIGAN
Owner Name: Oic Of Oakland County
Owner Address: 500 W HURON
Owner City,St,Zip: PONTIAC, MI 48341
Owner Contact: Not reported
Owner Phone: (248) 334-8840
Country: USA
District: SE Michigan District Office
Site Name: Oic Of Oakland County
Latitude: 42.63734
Longitude: -83.29456
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0233-98
Release Date: 03/26/1998
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 05/13/1998

UST:

Facility ID: 00039681
Facility Type: CLOSED
Latitude: 42.63734
Longitude: -83.29456
Owner Name: OIC OF OAKLAND COUNTY
Owner Address: 500 W HURON
Owner City,St,Zip: PONTIAC, MI 48341
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 334-8840
Contact: DANIEL HARPER
Contact Phone: (248) 334-8840
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIC OF OAKLAND COUNTY (Continued)

U003426289

Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: 04/08/1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: 04/08/1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: 04/08/1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Gasoline
Remove Date: 04/08/1998
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OIC OF OAKLAND COUNTY (Continued)

U003426289

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: Used Oil
Remove Date: 04/08/1998
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

17
SSW
1/4-1/2
0.441 mi.
2330 ft.

FORMER FORTERS AUTO WASH
149 W HURON ST
PONTIAC, MI 99999

LUST S102726422
N/A

Relative:
Lower

LUST:

Facility ID: 50002093
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: SE Michigan District Office
Site Name: Former Forters Auto Wash
Latitude: 42.63765
Longitude: -83.29818
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
937 ft.

Leak Number: C-0698-97
Release Date: 08/13/1997
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

18
East
1/4-1/2
0.443 mi.
2338 ft.

CITY OF PONTIAC
216 UNIVERSITY DR
PONTIAC, MI 48342

LUST U003321417
UST N/A

Relative:
Lower

LUST:

Facility ID: 00008814
Source: STATE OF MICHIGAN
Owner Name: City of Pontiac
Owner Address: 47450 Woodward Ave

Actual:
934 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF PONTIAC (Continued)

U003321417

Owner City,St,Zip: Pontiac, MI 48342-2245
Owner Contact: Not reported
Owner Phone: (248) 857-7611
Country: USA
District: SE Michigan District Office
Site Name: Oak Hill Cemetery
Latitude: 42.64198
Longitude: -83.28516
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0139-99
Release Date: 02/23/1999
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: 08/06/1999

UST:

Facility ID: 00008814
Facility Type: CLOSED
Latitude: 42.64198
Longitude: -83.28516
Owner Name: CITY OF PONTIAC
Owner Address: 47450 WOODWARD AVE
Owner City,St,Zip: PONTIAC, MI 48342-2245
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 857-7611
Contact: FRANK OLES
Contact Phone: (248) 857-7665
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 01/01/1987
Product: Gasoline
Remove Date: 02/16/1999
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel,Secondary Containment
Piping Type: Pressure,Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

19
SSW
1/4-1/2
0.459 mi.
2424 ft.

SALVATION ARMY ADULT REHABILITAT
117 W LAWRENCE ST., PO BOX 173
PONTIAC, MI 48341

LUST U003320114
UST N/A

Relative:
Lower

LUST:

Facility ID: 00003795
Source: STATE OF MICHIGAN
Owner Name: Salvation Army Adult Rehabilitat
Owner Address: 118 W Lawrence St
Owner City,St,Zip: Pontiac, MI 48341-1725
Owner Contact: Not reported
Owner Phone: (313) 338-9601
Country: USA
District: SE Michigan District Office
Site Name: Salvation Army Adult Rehabilitat
Latitude: 42.63671
Longitude: -83.29642
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2796-90
Release Date: 12/28/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 04/17/1991

UST:

Facility ID: 00003795
Facility Type: CLOSED
Latitude: 42.63671
Longitude: -83.29642
Owner Name: SALVATION ARMY ADULT REHABILITAT
Owner Address: 118 W LAWRENCE ST
Owner City,St,Zip: PONTIAC, MI 48341-1725
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 338-9601
Contact: CHARLES F. LIEURANCE
Contact Phone: (313) 338-9601
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 04/25/1978
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SALVATION ARMY ADULT REHABILITAT (Continued)

U003320114

Remove Date: 05/16/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 500
Install Date: 04/25/1978
Product: Gasoline
Remove Date: 05/16/1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

20
South
1/4-1/2
0.462 mi.
2438 ft.

OAKLAND AUTO SUPPLY
50606 WOODWARD AVE
PONTIAC, MI 48342

RCRA-NonGen 1000276976
FINDS MID017317975
LUST
UST
AIRS

Relative:
Lower

RCRA-NonGen:
Date form received by agency: 12/31/2001
Facility name: OAKLAND AUTO SUPPLY
Facility address: 50606 WOODWARD AVE
PONTIAC, MI 48342
EPA ID: MID017317975
Contact: WILLIAM GRAHAM
Contact address: 50606 WOODWARD AVE
PONTIAC, MI 48342
Contact country: US
Contact telephone: (248) 334-2320
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
916 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/05/1990
Facility name: OAKLAND AUTO SUPPLY
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110008445209

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

LUST:

Facility ID: 00035270
Source: STATE OF MICHIGAN
Owner Name: NON- RESPONSIVE
Owner Address: NON- RESPONSIVE
Owner City,St,Zip: NON- RESPONSIVE
Owner Contact: Not reported
Owner Phone: NON- RESPONSIVE
Country: USA
District: SE Michigan District Office
Site Name: Oakland Automotive
Latitude: 42.63722
Longitude: -83.29548
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0424-92
Release Date: 03/17/1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 11/13/1995

UST:

Facility ID: 00035270
Facility Type: CLOSED
Latitude: 42.63722
Longitude: -83.29548
Owner Name: NON- RESPONSIVE
Owner Address: NON- RESPONSIVE
Owner City,St,Zip: NON- RESPONSIVE
Owner Country: USA
Owner Contact: Not reported
Owner Phone: NON- RESPONSIVE
Contact: NON- RESPONSIVE
Contact Phone: NON- RESPONSIVE
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 01/01/1920
Product: Gasoline
Remove Date: 04/08/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 01/01/1920
Product: Gasoline
Remove Date: 04/08/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 01/01/1920
Product: Gasoline
Remove Date: 04/08/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 2000
Install Date: 01/01/1920
Product: Gasoline
Remove Date: 04/08/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

AIRS:

EI Year: 1995
State Registration Number: N5533
Naics Code: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: Not reported
Date Received: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OAKLAND AUTO SUPPLY (Continued)

1000276976

State Registration Number: N5533
Country: Not reported
Application Reason: Not reported
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: 4953
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: OAKLAND AUTOMOTIVE
Principal Product: AUTOMOTIVE PARTS RETAIL BUSINESS CLEANUP
Principal Product Description: SVES / VPCA FOR OFF GASS AT RETAIL BUSIN
UTM Zone (Geo Coordinates Universal Transverse Mercator System): 17
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: OAKLAND AUTOMOTIVE
Mailing Contact Person: NON- RESPONSIVE
Mailing Street:
Mailing City:
Mailing State: MI
Mailing Zip: 48302
Mailing Zip 4 Extension: Not reported
Compliance Person: ERNA SEISS
Compliance Area Code: 810
Compliance Phone Number: 3344025
Emission Inventory Contact Person: SUZANNE HOLM - MPC ENVIRO
EI Contact Area Code: 313
EI Contact Phone Number: 8492693
Permit Contact Person: NON- RESPONSIVE
Permit Contact Person Area Code: 810
Permit Contact Person Phone Number: 3344025
Federal Employer Id Number: Not reported
Of Employees: 0
Reporting Year: 1996
Date Record Was Created: 05/08/1995

B21
South
1/4-1/2
0.470 mi.
2481 ft.

40 WEST PIKE STREET, L.L.C.
40 WEST PIKE STREET
PONTIAC CITY, MI

Site 1 of 2 in cluster B

BEA S104912608
N/A

Relative:
Lower

BEA:

Actual:
916 ft.

Secondary Address: Not reported
BEA Number: 1268
District: Southeast MI
Date Received: 12/28/2000 12:59:00 AM
Submitter Name: 40 WEST PIKE STREET, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: cokt
Division Assigned: Storage Tank Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B22 MICHIGAN NATL CORP
South 40 W PIKE ST
1/4-1/2 PONTIAC, MI 48342
0.470 mi.
2481 ft. Site 2 of 2 in cluster B

LUST U003758821
UST N/A
BEA

Relative:
Lower

LUST:

Actual:
916 ft.

Facility ID: 00040343
Source: STATE OF MICHIGAN
Owner Name: Michigan Natl Corp
Owner Address: 27777 Inkster Rd
Owner City,St,Zip: Farmington Hills, MI 48334-5326
Owner Contact: Not reported
Owner Phone: (248) 473-3631
Country: USA
District: SE Michigan District Office
Site Name: Michigan National Corp
Latitude: 42.63636
Longitude: -83.29306
Date of Collection: 10/05/2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0219-00
Release Date: 10/13/1999
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00040343
Facility Type: CLOSED
Latitude: 42.63636
Longitude: -83.29306
Owner Name: MICHIGAN NATL CORP
Owner Address: 27777 INKSTER RD
Owner City,St,Zip: FARMINGTON HILLS, MI 48334-5326
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (248) 473-3631
Contact: MICHAEL SMITH
Contact Phone: (810) 715-2525
Date of Collection: 10/05/2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: 01/01/1950
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICHIGAN NATL CORP (Continued)

U003758821

Remove Date: 03/07/2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 1000
Install Date: 01/01/1950
Product: Gasoline
Remove Date: 03/07/2000
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

BEA:

Secondary Address: Not reported
BEA Number: 1116
District: Southeast MI
Date Received: 4/6/2000
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: Denied
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Pending
Reviewer: temppm
Division Assigned: Storage Tank Division

Secondary Address: Not reported
BEA Number: 1028
District: Southeast MI
Date Received: 11/19/1999
Submitter Name: MICHIGAN NATIONAL CORPORATION
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division

C23
WNW
1/4-1/2
0.471 mi.
2487 ft.
Site 1 of 3 in cluster C

SERVICAR OF MICHIGAN INC. PROPERTY
307 CEASAR CHAVEZ AVENUE
PONTIAC, MI 48342

BEA S105095033
N/A

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 1414
District: Southeast MI

Actual:
943 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICAR OF MICHIGAN INC. PROPERTY (Continued)

S105095033

Date Received: 6/25/2001 12:59:00 AM
Submitter Name: OAKLAND AVENUE ENTERPRISES, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: cokt
Division Assigned: Storage Tank Division

C24
WNW
1/4-1/2
0.473 ml.
2495 ft.

SERVICAR OF MICHIGAN, INC
307 CESAR E CHAVEZ AVE
PONTIAC, MI 48342

LUST U003867438
UST N/A

Site 2 of 3 in cluster C

Relative:
Higher

LUST:

Facility ID: 00016330
Source: STATE OF MICHIGAN
Owner Name: Servicar Of Michigan, Inc
Owner Address: 4354 Normandy Ct
Owner City,St,Zip: Royal Oak, MI 48073-2285
Owner Contact: Not reported
Owner Phone: (313) 549-6840
Country: USA
District: SE Michigan District Office
Site Name: Servi-car Of Michigan
Latitude: 42.64649
Longitude: -83.30192
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2721-90
Release Date: 12/18/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 03/21/2001

Actual:
943 ft.

UST:

Facility ID: 00016330
Facility Type: CLOSED
Latitude: 42.64649
Longitude: -83.30192
Owner Name: SERVICAR OF MICHIGAN, INC
Owner Address: 4354 NORMANDY CT
Owner City,St,Zip: ROYAL OAK, MI 48073-2265
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 549-6840
Contact: BARBARA E. BURNS
Contact Phone: (313) 549-6840
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICAR OF MICHIGAN, INC (Continued)

U003867438

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 3000
Install Date: 04/25/1956
Product: Gasoline
Remove Date: 06/05/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 3000
Install Date: 04/25/1956
Product: Gasoline
Remove Date: 06/05/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 3000
Install Date: 04/25/1956
Product: Gasoline
Remove Date: 06/05/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

C25
WNW
1/4-1/2
0.473 mi.
2495 ft.

SERVICAR OF MICHIGAN INC-PONTIAC FACILITY
307 CEASAR E CHAVEZ AVENUE
PONTIAC, MI 48342
Site 3 of 3 in cluster C

AUL S110762118
N/A

Relative:
Higher

Actual:
943 ft.

AUL:
Status: Recorded
Site Name: Not reported
Property: Servicar of Michigan Inc-Pontiac Facility
Land Use Restriction Type: RC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERVICAR OF MICHIGAN INC-PONTIAC FACILITY (Continued)

S110762118

Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 11/22/2010 11:15:00.603
Legal Description Of Property: Migrated
Based On The Deq Ref #: 11121304386
MDEQ Reference Number: RC-RRD-213-04-386
Property Or Description Restricted Area: Migrated
Lead Division: STD
File Name Of Hyperlinked Legal Doc: U:\KERMITE\11121304386.PDF
Mapped Polygon S Area In Acres: Not reported
Mapped Polygon S Area In Square Miles: Not reported
Date Data Entry Started: 9/12/2011 00:00:00
Date Data Entry Finished: 9/12/2011 00:00:00
Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Map Comments: 20101122 - LRUR is NOT mapped in KERMIT - Nick Ekel 20110912 - LRUR is mapped in KERMIT as a point - (See Comments Tab) - Nick Ekel
Request received on 7/6/2004 20110912 - LRUR is mapped as a point in KERMIT due to not being able to acquire subdivision plats referred to in documnet - Nick Ekel
Comment:
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 11/15/2000 00:00:00
Commercial I Land Use Restriction: 0
Commercial II Land Use Restriction: 0
Commercial III Land Use Restriction: 0
Commercial IV Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 1
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0

D26 CLINTON RIVER
SE 100 PIKE ST E
1/4-1/2 PONTIAC, MI 48342
0.476 mi.
2512 ft. Site 1 of 2 in cluster D

US BROWNFIELDS 1012172637
N/A

Relative: US BROWNFIELDS:
Lower Recipient name: Oakland County
Grant type: Assessment
Actual: Property name: Clinton River
925 ft. Property #: Not reported
Parcel size: Not reported
Latitude: 42.636876
Longitude: -83.288425
HCM label: Not reported
Map scale: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLINTON RIVER (Continued)

1012172637

Point of reference:	Not reported
Datum:	Not reported
ACRES property ID:	14686
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	Not reported
Assessment funding source:	Not reported
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Not reported
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLINTON RIVER (Continued)

1012172637

Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

D27
SE
1/4-1/2
0.476 mi.
2512 ft.

FORMER SEARS PROPERTY
100 PIKE ST E
PONTIAC, MI 48342
Site 2 of 2 in cluster D

US BROWNFIELDS **1012172692**
N/A

Relative:
Lower

US BROWNFIELDS:

Recipient name: Oakland County
Grant type: Assessment
Property name: Former Sears Property
Property #: Not reported
Parcel size: Not reported
Latitude: 42.636876
Longitude: -83.288425
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14677
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Phase I Environmental Assessment
Ownership entity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER SEARS PROPERTY (Continued)

1012172692

Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Not reported
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER SEARS PROPERTY (Continued)

1012172692

Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

28
North
1/4-1/2
0.485 mi.
2560 ft.

JOHN POPONEA ASSOCIATES, INC.
481 N. SAGINAW STREET
PONTIAC, MI

BEA S104912418
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 1053
District: Southeast MI
Date Received: 12/20/1999
Submitter Name: JOHN POPONEA ASSOCIATES, INC.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: temppm
Division Assigned: Environmental Response Division

Actual:
946 ft.

29
SE
1/4-1/2
0.489 mi.
2583 ft.

CENTRAL SCHOOL
101 EAST PIKE STREET
PONTIAC, MI 48342

US BROWNFIELDS 1012172630
N/A

Relative:
Higher

US BROWNFIELDS:

Recipient name: Oakland County
Grant type: Assessment
Property name: Central School
Property #: Not reported
Parcel size: Not reported
Latitude: 42.637474
Longitude: -83.28841
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14678
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: 30-JUN-03
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A

Actual:
938 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1012172630

Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: 0
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1012172630

Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Oakland County
Grant type: Assessment
Property name: Central School
Property #: Not reported
Parcel size: Not reported
Latitude: 42.637474
Longitude: -83.28841
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14678
Start date: 30-JUN-03
Completed date: 30-JUN-03
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: N/A
Accomplishment type: Not reported
Ownership entity: Not reported
Current owner: Not reported
Did owner change: Not reported
Cleanup required: Yes
Video available: Not reported
Photo available: Not reported
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Unknown
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1012172630

Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Not reported
Other metals cleaned: Not reported
Other contaminants found: Not reported
Other contams found description: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Not reported
Soil cleaned up: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

Recipient name: Oakland County
Grant type: Assessment
Property name: Central School
Property #: Not reported
Parcel size: Not reported
Latitude: 42.637474
Longitude: -83.28841
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: Not reported
ACRES property ID: 14678
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: Not reported
Assessment funding source: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1012172630

Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	Not reported
Cleanup required:	Yes
Video available:	Not reported
Photo available:	Not reported
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Unknown
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
Unknown found:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SCHOOL (Continued)

1012172630

Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: Not reported
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported

30
East
1/2-1
0.521 mi.
2752 ft.

PADDOCK & M-59 DRUMS
N. PADDOCK & M-59
PONTIAC, MI 48341

SHWS S110300660
N/A

Relative:
Lower

SHWS:
Facility ID: 63000923
Facility Status: Interim Response conducted - No further activities anticipated
Source: Not reported
SAM Score: Not reported
SAM Score Date: Not reported
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
920 ft.

31
SSE
1/2-1
0.543 mi.
2866 ft.

ASPHALT SPECIALIST INC
1908 WIDE TRACK DRIVE
PONTIAC, MI 48342

SHWS S105144543
DEL SHWS N/A

Relative:
Lower

SHWS:
Facility ID: 63000153
Facility Status: Delisted - no longer meets criteria specified in rules
Source: Asphalt Felts & Coatings
SAM Score: 21
SAM Score Date: 08/09/1991
Township: 03N
Range: 10E
Section: 32
Quarter: NE
Quarter/Quarter: NE
Pollutants: Diesel fuel

Actual:
933 ft.

DELETED HWS:
Facility ID: 63000153
Status: Delisted - no longer meets criteria specified in rules

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E32
South
1/2-1
0.798 mi.
4216 ft.

CITY OF PONTIAC
55 WESSEN STREET
PONTIAC, MI 48341

SHWS
NPDES

S107793863
N/A

Site 1 of 2 in cluster E

Relative:
Lower

SHWS:

Facility ID: 63001017
Facility Status: Interim Response in progress
Source: Gas Production & Distribution
SAM Score: 32
SAM Score Date: 02/12/2004
Township: Not reported
Range: Not reported
Section: Not reported
Quarter: Not reported
Quarter/Quarter: Not reported
Pollutants: Not reported

Actual:
932 ft.

MI NPDES:

Permit Number: MIG610023
Permittee PO Box: N
Permittee Email: Not reported
Issue Date: 12/16/2003
Effective Date: 12/16/2003
Expiration Date: 04/01/2008
Permittee Name: City of Pontiac
Permittee Address: 55 Wessen Street
Permittee Addr2: Not reported
Permittee City,St,Zip: Pontiac, MI 48341
Permit Type: COC
Facility Name 2: Not reported
Facility Name 3: Not reported
Facility Name 4: Not reported
Designed Name: Pontiac MS4-Oakland
Latitude: Not reported
Lat Direction: Not reported
Lat Type Code: Not reported
Longitude: Not reported
Lon Direction: Not reported
Lon Type Code: Not reported
Hydrologic Unit Code: 4090003

E33
South
1/2-1
0.798 mi.
4216 ft.

CITY GAS WORKS
55 WESSEN STREET
PONTIAC, MI 48341

Manufactured Gas Plants
1008408145
N/A

Site 2 of 2 in cluster E

Relative:
Lower

Manufactured Gas Plants:

Alternate Name: MRS. L.R. MEDBURY PONTIAC GAS WORKS; PONTIAC LIGHT CO GAS WORKS;
MICHIGAN LIGHT CO; CONSUMERS POWER CO. No additional information available

Actual:
932 ft.

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PONTIAC	S110300659	OPDYKE & AUBURN DRUMS	OPDYKE	48341	SHWS
PONTIAC	S102851904	CLARK SERVICE STATION (FORMER)	447 S. SAGINAW STREET	77227	LUST, BEA
PONTIAC	S110300967	WIDE TRACK & N. SAGINAW	WIDE TRACK E. OF SAGINAW		DEL SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-267-2180
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/30/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 01/31/2012	Telephone: 517-373-9541
Date Made Active in Reports: 02/10/2012	Last EDR Contact: 01/31/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/13/2012
Date Data Arrived at EDR: 02/15/2012
Date Made Active in Reports: 04/05/2012
Number of Days to Update: 50

Source: Department of Natural Resources & Environment
Telephone: 517-335-4035
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/26/2012
Number of Days to Update: 35

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 03/30/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/07/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/30/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/01/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/20/2012	Telephone: 517-335-4035
Date Made Active in Reports: 03/26/2012	Last EDR Contact: 03/30/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing
A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 10/24/2011	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/23/2011	Telephone: 517-335-7211
Date Made Active in Reports: 01/09/2012	Last EDR Contact: 01/23/2012
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/07/2012
	Data Release Frequency: Quarterly

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 11/18/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 11/30/2011	Telephone: 517-373-8168
Date Made Active in Reports: 01/09/2012	Last EDR Contact: 02/20/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011	Source: EPA Region 10
Date Data Arrived at EDR: 11/04/2011	Telephone: 206-553-2857
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 42

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 02/03/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/10/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 12/14/2011	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 12/15/2011	Telephone: 517-373-4828
Date Made Active in Reports: 01/09/2012	Last EDR Contact: 03/05/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 10/04/2011	Telephone: 617-918-1102
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 02/13/2012	Source: Department of Natural Resources & Environment
Date Data Arrived at EDR: 02/15/2012	Telephone: 517-373-4805
Date Made Active in Reports: 03/26/2012	Last EDR Contact: 02/13/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 03/05/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009
Date Data Arrived at EDR: 09/30/2010
Date Made Active in Reports: 10/28/2010
Number of Days to Update: 28

Source: Department of Natural Resources & Environment
Telephone: 517-241-5719
Last EDR Contact: 04/06/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 32

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/06/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 02/06/2012
Date Data Arrived at EDR: 02/08/2012
Date Made Active in Reports: 03/26/2012
Number of Days to Update: 47

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 10/24/2011
Date Data Arrived at EDR: 11/23/2011
Date Made Active in Reports: 01/09/2012
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 517-335-7211
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/16/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/30/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 01/31/2012
Date Made Active in Reports: 02/10/2012
Number of Days to Update: 10

Source: Department of Natural Resources & Environment
Telephone: 517-373-9837
Last EDR Contact: 01/25/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 11/30/2011
Date Data Arrived at EDR: 12/21/2011
Date Made Active in Reports: 01/23/2012
Number of Days to Update: 33

Source: Department of Natural Resources & Environment
Telephone: 517-373-8427
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/07/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/12/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 01/25/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/28/2011	Source: EPA
Date Data Arrived at EDR: 12/14/2011	Telephone: 703-416-0223
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/14/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/07/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS INSP: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/30/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/14/2012
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/12/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (312) 353-2000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 03/13/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Biennially

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/28/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 03/28/2011
Number of Days to Update: 27

Source: Department of Natural Resources & Environment
Telephone: 517-373-9875
Last EDR Contact: 03/21/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 02/13/2012
Date Data Arrived at EDR: 02/15/2012
Date Made Active in Reports: 03/26/2012
Number of Days to Update: 40

Source: Department of Natural Resources & Environment
Telephone: 517-241-1515
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/09/2012
Date Data Arrived at EDR: 02/09/2012
Date Made Active in Reports: 03/29/2012
Number of Days to Update: 49

Source: Department of Natural Resources & Environment
Telephone: 517-335-4586
Last EDR Contact: 03/28/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/11/2012
Date Made Active in Reports: 02/09/2012
Number of Days to Update: 29

Source: Department of Natural Resources & Environment
Telephone: 517-241-1300
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 02/09/2012
Date Data Arrived at EDR: 02/09/2012
Date Made Active in Reports: 04/17/2012
Number of Days to Update: 68

Source: Department of Natural Resources & Environment
Telephone: 517-373-7074
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/26/2012
Number of Days to Update: 31

Source: Department of Natural Resources & Environment
Telephone: 517-373-9541
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2012
Next Scheduled EDR Contact: 05/14/2012
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/16/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011
Date Data Arrived at EDR: 04/21/2011
Date Made Active in Reports: 05/13/2011
Number of Days to Update: 22

Source: Department of Natural Resources & Environment
Telephone: 586-753-3754
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/17/2012
Date Data Arrived at EDR: 01/18/2012
Date Made Active in Reports: 02/10/2012
Number of Days to Update: 23

Source: Department of Natural Resources & Environment
Telephone: 517-335-6610
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Department of Natural Resources & Environment
Telephone: 517-335-4034
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/15/2012
Number of Days to Update: 24

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 02/09/2012
Date Made Active in Reports: 03/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/09/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 03/06/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/23/2012
Next Scheduled EDR Contact: 05/07/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Day Care Centers, Group & Family Homes
Source: Bureau of REgulatory Services
Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VACANT PARCEL
VACANT PARCEL
PONTIAC, MI 48342

TARGET PROPERTY COORDINATES

Latitude (North):	42.6431 - 42° 38' 35.16"
Longitude (West):	83.2937 - 83° 17' 37.32"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	311956.4
UTM Y (Meters):	4723519.0
Elevation:	938 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42083-F3 PONTIAC NORTH, MI
Most Recent Revision:	1997

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

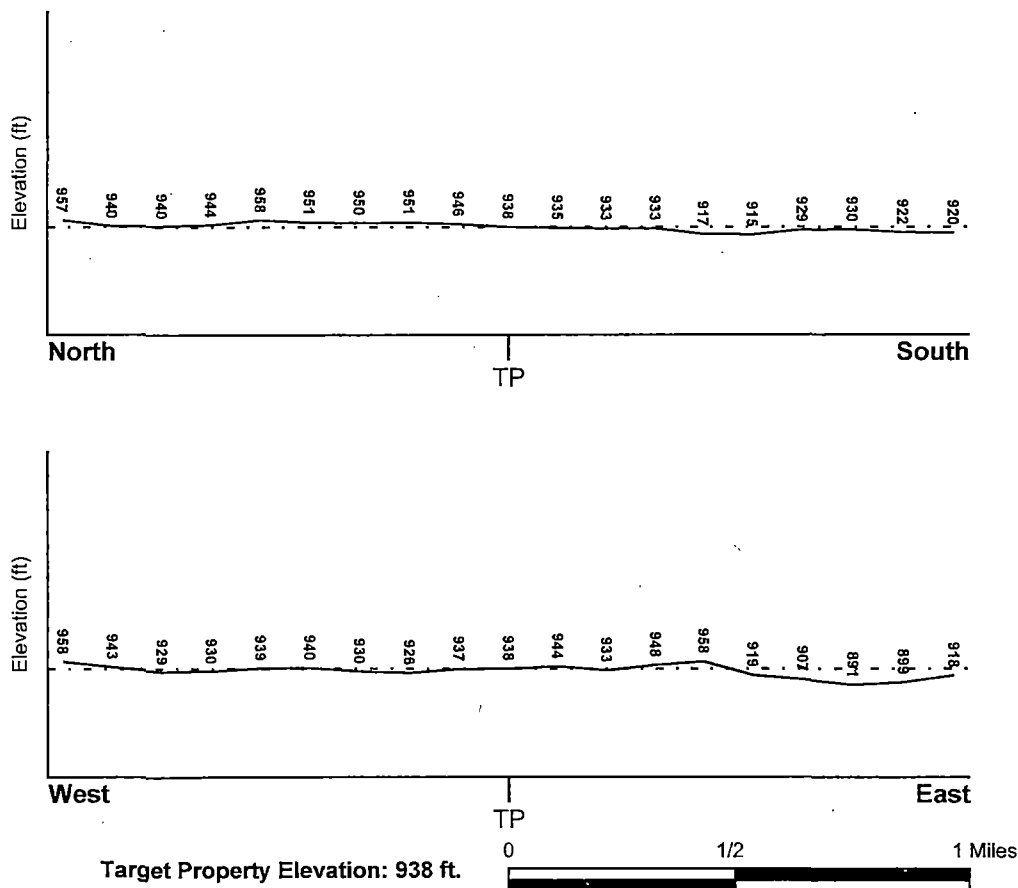
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
OAKLAND, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 26125C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
PONTIAC NORTH

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/4 - 1/2 Mile SE	SSW
11	1/2 - 1 Mile North	SW
14	1/2 - 1 Mile NNW	SE
15	1/2 - 1 Mile WNW	Varies

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

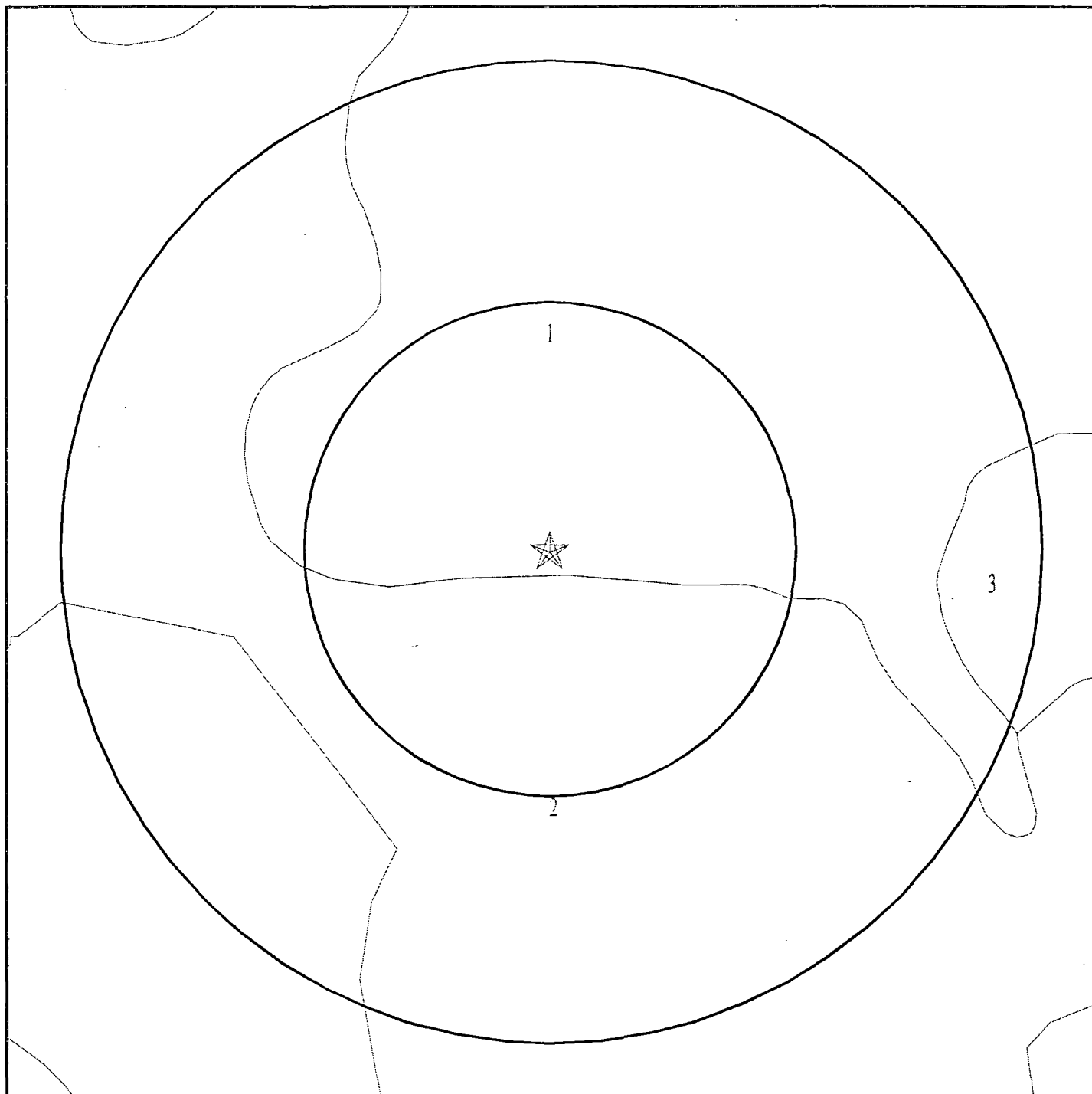
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

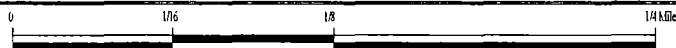
Era:	Paleozoic	Category:	Stratified Sequence
System:	Mississippian		
Series:	Osagean and Kinderhookian Series		
Code:	M1 (decoded above as Era, System & Series)		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3299834.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Vacant Parcel
ADDRESS: Vacant Parcel
Pontiac MI 48342
LAT/LONG: 42.6431 / 83.2937

CLIENT: Applied Science & Technology
CONTACT: Carey Kratz
INQUIRY #: 3299834.2s
DATE: April 18, 2012 11:58 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 130 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS2308742	1/4 - 1/2 Mile SSE
A4	USGS2308740	1/4 - 1/2 Mile SSE
B5	USGS2308749	1/4 - 1/2 Mile West
B6	USGS2308748	1/4 - 1/2 Mile West
7	USGS2308734	1/2 - 1 Mile SSE
8	USGS2308743	1/2 - 1 Mile ESE
9	USGS2308744	1/2 - 1 Mile ESE
10	USGS2308761	1/2 - 1 Mile NNE
12	USGS2308730	1/2 - 1 Mile SSW
13	USGS2308728	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	MI2010663	1/4 - 1/2 Mile SSE

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID

WELL ID

LOCATION
FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 3299834.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Vacant Parcel
 ADDRESS: Vacant Parcel
 Pontiac MI 48342
 LAT/LONG: 42.6431 / 83.2937

CLIENT: Applied Science & Technology
 CONTACT: Carey Kratz
 INQUIRY #: 3299834.2s
 DATE: April 18, 2012 11:58 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 SE 1/4 - 1/2 Mile Lower	Site ID: 630241 Groundwater Flow: SSW Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 2 Date: 08/19/1996	AQUIFLOW 36139
--	---	------------------------------

A2 SSE 1/4 - 1/2 Mile Lower	PWS ID: MI2010663 Date Initiated: 7706 PWS Name: PONTIAC LAKE RECREATION AREA 7800 GALE ROAD PONTIAC, MI 48053	FRDS PWS MI2010663
--	--	----------------------------------

Addressee / Facility: System Owner/Responsible Party
NON- RESPONSIVE

Facility Latitude: 42 38 20	Facility Longitude: 083 17 27
City Served: WHITE LAKE	
Treatment Class: Untreated	Population: 00000250

Violations information not reported.

A3 SSE 1/4 - 1/2 Mile Lower	FED USGS USGS2308742
--	------------------------------------

Agency cd: USGS	Site no: 423820083172401
Site name: 03N 10E 29DADA 01	
Latitude: 423820	EDR Site id: USGS2308742
Longitude: 0831724	Dec lat: 42.63892157
Dec lon: -83.28993572	Coor meth: M
Coor accr: F	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 26
State: 26	County: 125
Country: US	Land net: S29T03NR10EM
Location map: Not Reported	Map scale: Not Reported
Altitude: 910	
Altitude method: Interpolated from topographic map	
Altitude accuracy: 10	
Altitude datum: National Geodetic Vertical Datum of 1929	
Hydrologic: Clinton. Michigan. Area = 742 sq.mi.	
Topographic: Not Reported	
Site type: Ground-water other than Spring	Date construction: 19260101
Date inventoried: Not Reported	Mean greenwich' time offset: EST
Local standard time flag: Y	
Type of ground water site: Single well, other than collector or Ranney type	
Aquifer Type: Not Reported	
Aquifer: PLEISTOCENE SERIES	
Well depth: 197	Hole depth: Not Reported
Source of depth data: Not Reported	
Project number: Not Reported	
Real time data flag: 0	Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00	Daily flow data count: 0
Peak flow data begin date: 0000-00-00	Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1952-01-04
 Ground water data begin date: 1926-02-01
 Ground water data count: 1

Water quality data begin date: 1929-01-01
 Water quality data count: 2
 Ground water data end date: 1926-02-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1926-02-01	32.00	

A4
SSE
1/4 - 1/2 Mile
Lower

FED USGS USGS2308740

Agency cd:	USGS	Site no:	423818083172501
Site name:	03N 10E 29DADD 01	EDR Site id:	USGS2308740
Latitude:	423818	Dec lat:	42.63836602
Longitude:	0831725	Coor meth:	M
Dec lon:	-83.29021348	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S29T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	915		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton, Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19290101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	205	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1952-05-19
Water quality data end date:	1952-05-19	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

B5
West
1/4 - 1/2 Mile
Higher

FED USGS USGS2308749

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423838083181202
Site name:	03N 10E 29BCAB 02		
Latitude:	423838	EDR Site id:	USGS2308749
Longitude:	0831812	Dec lat:	42.64392138
Dec lon:	-83.30326951	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S29T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	935		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton, Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19320101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	145	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1945-02-23
Water quality data end date:	1953-03-17	Water quality data count:	2
Ground water data begin date:	1950-05-01	Ground water data end date:	1950-05-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1950-05-01	51.00	

B6
West
1/4 - 1/2 Mile
Higher

FED USGS USGS2308748

Agency cd:	USGS	Site no:	423838083181201
Site name:	03N 10E 29BCAB 01		
Latitude:	423838	EDR Site id:	USGS2308748
Longitude:	0831812	Dec lat:	42.64392138
Dec lon:	-83.30326951	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S29T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	935		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton, Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	148	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-06-06
Water quality data end date:	1960-06-06	Water quality data count:	1
Ground water data begin date:	1940-01-01	Ground water data end date:	1940-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-01-01	60.00	

7
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2308734

Agency cd:	USGS	Site no:	423808083172201
Site name:	03N 10E 29DDDA 01	EDR Site id:	USGS2308734
Latitude:	423808	Dec lat:	42.6355883
Longitude:	0831722	Coor meth:	M
Dec lon:	-83.28938003	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S29T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	915		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19290101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	195	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1941-07-03
Water quality data end date:	1952-07-11	Water quality data count:	2
Ground water data begin date:	1929-06-01	Ground water data end date:	1929-06-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1929-06-01	44.00	
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8

ESE

1/2 - 1 Mile

Lower

FED USGS

USGS2308743

Agency cd:	USGS	Site no:	423821083170101
Site name:	03N 10E 28CACB 01		
Latitude:	423821	EDR Site id:	USGS2308743
Longitude:	0831701	Dec lat:	42.6391994
Dec lon:	-83.2835467	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S28T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	900		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19260101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	178	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1926-06-17
Water quality data end date:	1956-01-17	Water quality data count:	5
Ground water data begin date:	1926-01-01	Ground water data end date:	1926-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1926-01-01	20.00	
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9

ESE

1/2 - 1 Mile

Lower

FED USGS

USGS2308744

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	423826083165701
Site name:	03N 10E 28CABA 01		
Latitude:	423826	EDR Site id:	USGS2308744
Longitude:	0831657	Dec lat:	42.64058827
Dec lon:	-83.28243561	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S28T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	890		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton, Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19260101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	195	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1952-07-11	Water quality data count:	2
Ground water data begin date:	1926-10-01	Ground water data end date:	1926-10-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1926-10-01	30.00	

10
NNE
1/2 - 1 Mile
Higher

FED USGS USGS2308761

Agency cd:	USGS	Site no:	423905083172101
Site name:	03N 10E 21CCBB 01		
Latitude:	423905	EDR Site id:	USGS2308761
Longitude:	0831721	Dec lat:	42.65142138
Dec lon:	-83.2891028	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	26
State:	26	County:	125
Country:	US	Land net:	S21T03NR10EM
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	945		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton, Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19220101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: PLEISTOCENE SERIES
 Well depth: 289 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00
 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00
 Peak flow data end date: 0000-00-00
 Peak flow data count: 0
 Water quality data begin date: 1929-01-01
 Water quality data count: 1
 Ground water data begin date: 0000-00-00
 Ground water data end date: 0000-00-00
 Ground water data count: 0

Ground-water levels, Number of Measurements: 0

11
North
1/2 - 1 Mile
Higher

Site ID: 635108
 Groundwater Flow: SW
 Shallowest Water Table Depth: Not Reported
 Deepest Water Table Depth: Not Reported
 Average Water Table Depth: Not Reported
 Date: 06/22/1994

AQUIFLOW 35792

12
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2308730

Agency cd: USGS Site no: 423752083175302
 Site name: 03N 10E 32ABCC 02
 Latitude: 423752 EDR Site id: USGS2308730
 Longitude: 0831753 Dec lat: 42.63114385
 Dec lon: -83.29799118 Coord meth: M
 Coord acc: F Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 26
 State: 26 County: 125
 Country: US Land net: S32T03NR10EM
 Location map: Not Reported Map scale: Not Reported
 Altitude: 920
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Clinton, Michigan. Area = 742 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19470101
 Date inventoried: Not Reported Mean greenwich time offset: EST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: PLEISTOCENE SERIES
 Well depth: 200 Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00
 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00
 Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1950-10-19
 Ground water data begin date: 1948-04-01
 Ground water data count: 1

Water quality data begin date: 1950-10-19
 Water quality data count: 1
 Ground water data end date: 1948-04-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1948-04-01	86.00	

13
 SSW
 1/2 - 1 Mile
 Lower

FED USGS USGS2308728

Agency cd:	USGS	Site no:	423749083175702
Site name:	03N 10E 32BADD 02	EDR Site id:	USGS2308728
Latitude:	423749	Dec lat:	42.63031052
Longitude:	0831757	Coor meth:	M
Dec lon:	-83.29910229	Latlong datum:	NAD27
Coor accr:	F	District:	26
Dec latlong datum:	NAD83	County:	125
State:	26	Land net:	S32T03NR10EM
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	925		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Clinton. Michigan. Area = 742 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19230101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	191	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1929-01-01
Water quality data end date:	1941-07-03	Water quality data count:	3
Ground water data begin date:	1923-03-01	Ground water data end date:	1923-03-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1923-03-01	40.00	

14
 NNW
 1/2 - 1 Mile
 Higher

Site ID: 635125
 Groundwater Flow: SE
 Shallowest Water Table Depth: Not Reported
 Deepest Water Table Depth: Not Reported
 Average Water Table Depth: 7
 Date: 02/25/1994

AQUIFLOW 35963

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

15
WNW
1/2 - 1 Mile
Lower

Site ID: Not Reported
Groundwater Flow: Varies
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: 10
Date: 10/14/1997

AQUIFLOW 36033

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
48342	8/25/2007		1.3
48342	11/13/2007		1.3
48342	3/14/1995		0.5
48342	5/23/2009		0.5
48342	3/28/2003		0.7
48342	11/14/2002		0.8
48342	4/28/2006		0.7
48342	9/21/2009		0.6
48342	3/5/2003		0.6
48342	2/6/2006		1.8
48342	4/21/2007		2.9
48342	11/5/2007		2.5
48342	9/14/2009		2.4
48342	9/30/2009		2.9
48342	11/12/2002		3.3
48342	9/6/2008		3.4
48342	10/31/2009		7.4
48342	1/9/2008		2.1
48342	11/28/2008		2.1
48342	10/5/2009		2.0
48342	11/21/2006		1.6
48342	9/30/2009		1.4

Federal EPA Radon Zone for OAKLAND County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for OAKLAND COUNTY, MI

Number of sites tested: 61

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.189 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.539 pCi/L	93%	7%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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APPENDIX H

Feb 22, 2000

**REQUEST FOR PROPOSAL
FOR
REMEDIAL INVESTIGATION
AT
WIDE-TRACK DRIVE AND N. SAGINAW
NE CORNER VACANT LOT
PONTIAC, OAKLAND COUNTY, MICHIGAN
MDEQ I.D. NO. 631015
SEG I.D. NO. 9941-5495-07**

To: Prospective Bidders

Re: Request for Proposal

Snell Environmental Group, Inc. (SEG) is requesting a cost proposal from your firm to perform the work specified in this request for (RFP). The cost proposal shall be specific enough to serve as the work plan. The cost shall be provided in the format shown on the attached bid proposal form. The bids are due February 2, 2000 at 4:00 p.m. local time at SEG's Lansing Office.

Any questions may be directed to Mr. Franklyn Legall or Mr. Michael Peters at (517) 393-6800. The services are to be provided as described in the following sections. The successful bidder will be notified March 2, 2000. The successful bidder will be required to enter in a contract agreement with SEG and provide a no conflict of interest statement and the necessary insurance documentation, in accordance with SEG's Subcontract Agreement. A sample copy of an Agreement is attached for your review. It is expected that the bidder will review the Agreement and be prepared to sign it in the event said Bidder is selected as the responsive, low bidder.

The following factors will be used for the evaluation of the proposals:

- Technical Proposal (will serve as your Scope of Work/Work Plan)
- Schedule
- Project team experience with sites of a similar nature
- Technical qualifications, including the qualifications of the subcontractors
- Cost

Enclosures:

- General Instructions
- Scope of work

**GENERAL INSTRUCTIONS FOR THE PREPARATION AND SUBMISSION OF
RESPONSES TO THE REQUEST FOR PROPOSAL**

1. Bids must be received at:

Snell Environmental Group, Inc.
1425 Keystone Avenue
P.O. Box 22127
Lansing, Michigan 48909-2127
Attn: Michael T. Peters
(517) 393-6800

Bids must be received by February 2, 2000 at 4:00 p.m. local time. Bids must be sealed and marked with the project name, bidder's name and complete address. Also, the envelope must be marked "Do Not Open."

The project name is: Wide Track Drive and N. Saginaw NE Corner Vacant Lot
MDEQ I.D. No. 631015
SEG I.D. No. 9941-5495-07

2. Any amendments required for this scope of services will be sent to the prospective Bidders prior to the due date for proposals. If there are any amendments to the RFP, the bidder must include a statement acknowledging the receipt of the amendment with the proposal.
3. SEG is not responsible for any costs incurred by the Bidders in the preparation and submission of a proposal and any other activities, including site visits, related to this proposal.
4. All available MDEQ-ERD site files for the subject site are available for review at the following locations:

Snell Environmental Group, Inc.
1425 Keystone Avenue
Lansing, Michigan 48909-2127
(517) 393-6800
Attn: Mr. Michael Peters
5. Please make arrangements *in advance* to review or copy the site file. The bidder is responsible for obtaining all necessary site information they feel is necessary for the creation of an accurate bid. The MDEQ has requested that all file data be reviewed at SEG. No Freedom of Information Act (FOIA) requests are to be made to the MDEQ.

6. Bidders are allowed to visit the site. A site location map is attached.
7. All the information submitted by the Bidders with the proposal will become public information and will be submitted to the Michigan Department of Management and Budget (MDMB) and the MDEQ-ERD when making the contract award recommendation.
8. The Bidder shall submit a project schedule for completion of the project. The schedule shall be a part of the proposed submission.
9. All work shall be performed in accordance with Michigan Public Act 451, Part 201. All necessary forms and notifications, as required under Part 201, apply and must be followed by the professional service contractor. The Bidder acknowledges, by submitting a proposal, that the work to be performed under this scope of services shall require personnel trained under Title 29 Code of Federal Regulations 1910.120.
10. SEG may accept other than the lowest priced offer; reject any or all offers; and waive informalities and minor irregularities in the offers received.
11. All qualified Bidders will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, or marital status.
12. The successful Bidder will be required to submit a "No Conflict of Interest" statement in writing to the Contract Project Management Firm prior to contract approval.

General Proposal/Work Plan Preparation Guidelines

All the work shall be performed per applicable Michigan P.A. 451 Part 201 regulatory requirements. A bid proposal form has been included to assist in preparing the proposal and associated costs.

Professional services are required to perform the work as identified in the scope of services for the project. The professional shall review the existing files and data for the project activities. The professional shall prepare a short summary of their understanding of the problem and submit it with the proposal.

The professional shall prepare a cost proposal detailed enough to serve as a work plan to address the identified problems and accomplish the objectives. The proposal/work plan shall clearly identify a strategy and schedule for handling the work tasks and the proposed methodologies to accomplish the work.

The proposal shall be submitted with an anticipated schedule of completion for each task. A cost proposal shall be prepared for each task to include labor costs with personnel hours and billing rates, expenses, and all other associated costs necessary to provide a not-to-exceed amount required to

accomplish the work specified (see attached Bid Proposal Form for cost format).

The Contract Project Management Firm may, at any time by written notice, make changes within the general scope of this contract in the services to be performed consisting of additions, deletions or other revisions. The professional compensation based on the rates to be included with the proposal, and the project task schedule shall be adjusted per mutual agreement. All such changes in the work shall be authorized in writing by the Contract Project Management Firm prior to being performed.

GENERAL DEFINITIONS

Bidder - Person, company or corporation submitting a response to this proposal.

Professional Service Contractor (professional) - Bidder whose proposal has been accepted and assigned to a contract between the Contract Project Management Firm and the Bidder.

Trade Contractor - Entity, selected and contracted by the Contract Project Management Firm from bids received on specifications for construction of remedial system work.

Contract Project Management Firm - Snell Environmental Group, Inc. (SEG)

SCOPE OF WORK

REMEDIAL INVESTIGATION

WIDE TRACK DRIVE AND N. SAGINAW

NE CORNER VACANT LOT

PONTIAC, OAKLAND COUNTY, MICHIGAN

MDEQ I.D. NO. 631015

SEG I.D. NO. 9941-5495-07

1.0 SITE BACKGROUND

The subject site is currently vacant lot located at the northeast corner of Wide Track Drive and North Saginaw Street, Pontiac, Michigan. The vacant lot is approximately 1.5 acres in size. No evidence of contamination or dumping was observed at the site. The site is mowed and a small portion of a building foundation is visible at the surface. The historical use of the site was residential. Currently, residential properties are present to the north and east of the subject site, and commercial properties are to the south and west.

2.0 PROJECT OBJECTIVE

The objective of this project is to determine if there is possible soil contamination present at the site due to past use. A soil investigation is required to delineate the extent of soil contamination, if contamination is discovered, and to identify potential sources and exposures. The results of the investigation will be used to determine if corrective action is required to obtain site closure. All analytical results are to be compared to Residential Guideline Criteria as listed in Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of 1984, as amended.

3.0 SCOPE OF SERVICES

The bidder shall perform an investigation to determine the extent of contamination, which will consist of the following:

- Prepare a remedial investigation (RI) work plan for the site.
- Conduct a RI to assess the soils at the site in order to determine if possible risks to human health and the environment exist, and to delineate the extent of contamination, if present.
- Perform investigation data evaluation and prepare a RI report including discussion of the results of the investigation and risk assessment.

REMEDIAL INVESTIGATION

TASK 1 WORK PLAN PREPARATION

The Professional shall meet with the SEG and MDEQ representatives to review the overall project requirements and goals. The Professional shall also:

- Obtain and review all relevant site data. Evaluate the data for accuracy and precision.
- Visit the site to determine current physical conditions, document all physical conditions relevant to future site work, and locate structures on site.
- The Work Plan shall be submitted following a review of the site files and site visit. The Work Plan shall include a summary of the following:
 - Details on project organization, project schedule, and an outline of the Remedial Investigation (RI) Report.
 - The location of proposed borings, drilling methods, decontamination procedures, QA/QC methods, borehole abandonment (ASTM D 5299-92), and disposal of contaminated materials. For bidding purposes assume a total of ten (10) soil borings conducted to a depth of 8-feet below ground level (BGL).
 - A sampling plan for testing, sampling parameters, sampling methods, QA/QC methods, chain-of-custody documentation, and analytical methods. All samples shall be screened in the field with an OVA, PID or similar device.
 - Analytical parameters shall include all suspected contaminants. All samples will be submitted to the State of Michigan laboratory for analyses. Please contact the laboratory two weeks prior to sample delivery to schedule laboratory time.
- An approach for the evaluation of testing results to determine the presence and extent of soil and groundwater contamination, if present. Analytical results shall be compared to P.A. 451, Part 201 criteria for residential sites.
- Submit two copies of the draft RI work plan to SEG for review.
- Revise the RI work plan, incorporating changes based on SEGs and MDEQs comments on the draft RI work plan. Assume one revision of the work plan will be required. Submit four copies of the final RI work plan to the SEG, of which two copies will be given to the MDEQ.

TASK 2 - CONTAMINANT ASSESSMENT AND DELINEATION

The contamination assessment shall, at a minimum, consist of the following scope of work, however, it is up to the bidders' discretion to prepare and implement a scope of work to satisfy the project objectives. The bidder can also include additional scope of work items, if needed, to adequately assess site conditions and properties that may affect a risk evaluation. However, all additional scope of work items and associated costs must be listed separately as options to the basic scope of work outlined below.

- Perform an RI to evaluate the extent of soil contamination and potential impacts to all potential receptors, including, but not limited to; area water wells, utilities, surface water, indoor air inhalation, fire and explosion hazards, etc. Analytical comparison criteria shall use the Michigan Part 201 Residential Criteria, which include, but is not limited to, direct contact criteria, drinking water protection criteria, groundwater/surface water interface criteria, and indoor inhalation criteria.

Required work tasks include the following:

- Install a minimum of 10 soil borings to collect soil samples for laboratory analysis. During soil sampling activities, soils shall be screened with a photoionization detector (PID) or organic vapor analyzer (OVA). The Professional shall record the PID or OVA readings during the investigation. For each boring, one soil sample will be collected from the surface and a second soil sample will be collected from the depth with the highest PID reading above the capillary fringe zone, if present. Surface soil samples will be collected within the upper 1-ft of soil. All soil samples collected for VOC analyses shall be preserved in the field using EPA Method SW846 5035.
- Survey each soil boring for location and ground elevation. For bidding purposes the borings shall be installed to a maximum depth of 8-feet BGL. Patch all borings with asphalt, cement, or bentonite as required.
- Dispose of all drilling wastes and decontamination solutions. Place all excess soil cuttings and decontamination waters into drums stored on site. Dispose of all drums with manifesting to be signed by an SEG representative. For bidding purposes it is assumed that all wastes are non-hazardous.
- The parameters for soil sampling include volatile organic compounds (VOCs) using USEPA Method SW846 8260, semi-volatile organic compounds (SVOCs) using USEPA Method SW846 8270, PCBs using USEPA Method SW846 8082, and inorganics using USEPA Methods SW846 6000/7000 series. However, the Professional may include other parameters,

as necessary. Methanol preservation procedures, USEPA Method SW846 5035, are required for VOC soil samples. Quality Assurance/Quality Control (QA/QC) sampling shall also be performed. At a minimum, one QA/QC sample shall be collected for every ten soil samples.

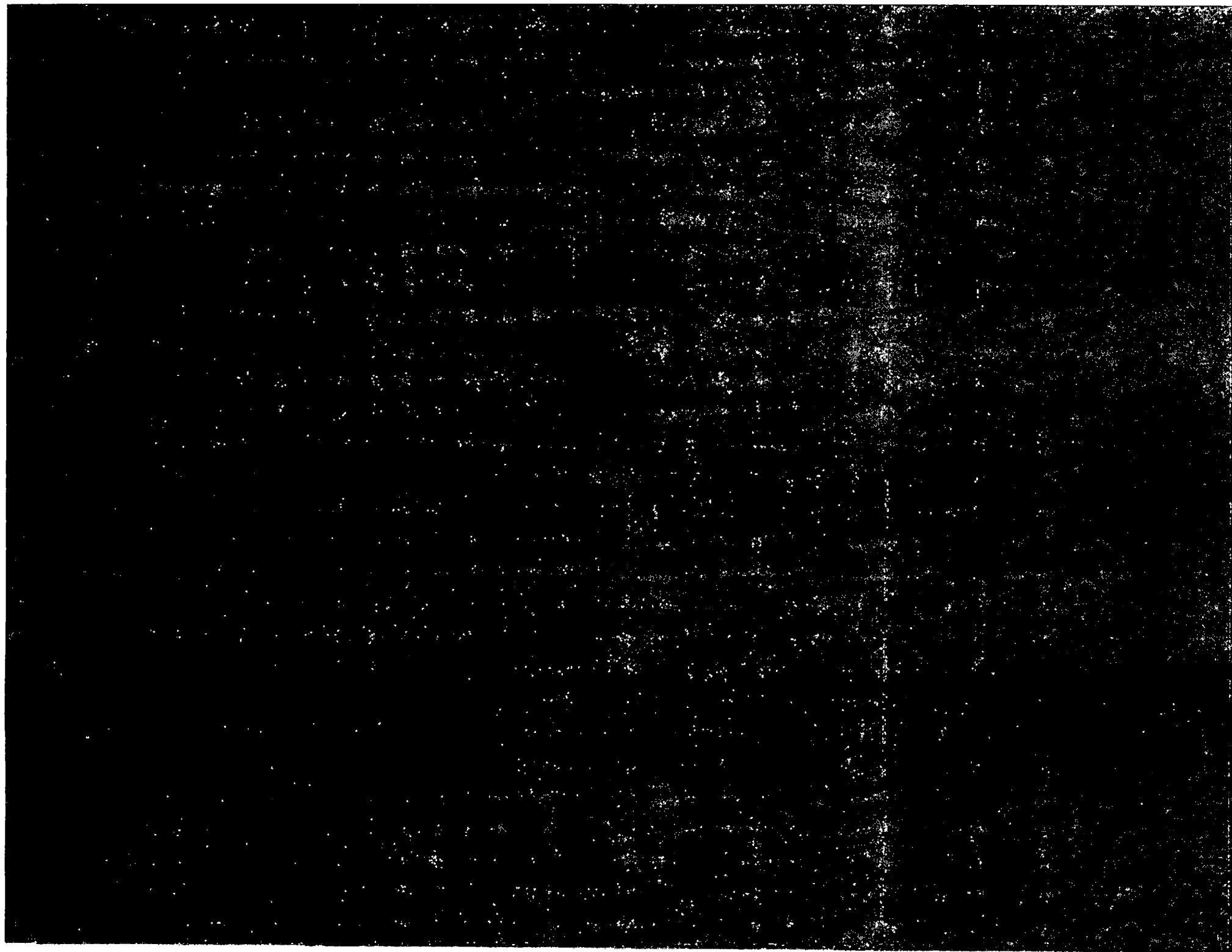
- Professional shall provide a competent geologist on-site during soil investigation.
- The described RI will generate soil and wastewater that must be handled and disposed in accordance with MDEQ requirements. The Professional shall be responsible for the proper disposal of soil cuttings and wastewater.

TASK 3 DATA EVALUATION AND RISK ASSESSMENT

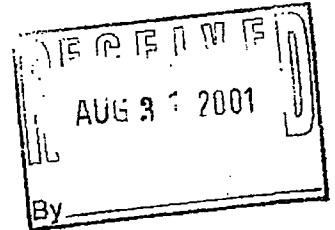
Following the completion of soil sampling and analyses, the Professional shall evaluate the analytical results of the soil and groundwater sampling. A Remedial Investigation (RI) report shall be prepared and submitted to SEG, which summarizes the results of the investigation. Data evaluation includes the following;

- Generate scaled maps including topography; site vicinity in relation to streets, site features, nearby structures, utilities, and other surface features; geologic cross sections; a site map depicting the structures and other identified features; contaminant concentrations; all soil boring locations; soil boring logs; soil and groundwater sampling locations, analytical data; plume maps if applicable, and future recommendations for investigation, if needed.
- Compare the analytical results of soil sampling to MDEQ Part 201 Residential Guideline Criteria including, but not limited to, Direct Contact Criteria and Drinking Water Protection Criteria/Drinking Water Criteria, GSI Criteria, etc. Map the horizontal and vertical extent of contaminated soil using newly obtained analytical results and previous investigation results, if applicable.
- Compare the analytical results of soil and groundwater sampling to the applicable MDEQ Part 201 Residential Guideline Criteria. Map the extent of soil contamination or groundwater contamination plume.
- Identify complete risk exposure pathways.
- Identify contaminant impacts to all potential receptors.
- Identify the need for performing additional subsurface investigations.
- Should the soil analytical results indicate acute hazards, the Professional shall recommend the next step for abating the acute hazard in the risk assessment report.

- Prepare a detailed RI/Risk-Assessment report.

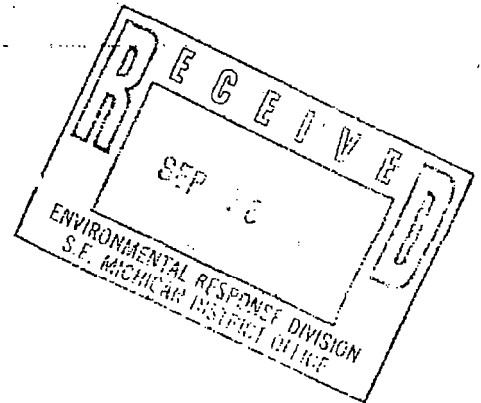


REMEDIAL INVESTIGATION REPORT



**VACANT LOT AT THE NORTHEAST CORNER OF
WIDE TRACK DRIVE AND N. SAGINAW STREET
PONTIAC, OAKLAND COUNTY, MICHIGAN
MDEQ FACILITY ID No. 631015**

AUGUST 2001



PREPARED FOR:

**DLZ MICHIGAN, INC.
1425 KEYSTONE AVENUE
LANSING, MICHIGAN 48911
DLZ PROJECT No. 9941-5495-07**

AND

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL RESPONSE DIVISION
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1.0 INTRODUCTION

Altech Environmental Services Inc. (Altech) has been contracted by DLZ Michigan, Inc. (DLZ) to perform a limited Remedial Investigation at the northeast corner of Wide Track Drive and N. Saginaw Street, Figure 1. The site configuration is illustrated on Figure 2, Site Map. The investigation was designed to evaluate contaminant concentrations and distribution in the upper eight feet of soil at the site. Altech performed the investigation on Friday, July 21, 2000 and Monday, July 24, 2000.

1.1 BACKGROUND

The site is a vacant lot, which is approximately 1.6 acres in area. Most of the site is covered with grass as shown on the photographs in Appendix A. At the north end of the site there are some trees and bushes. There are also some concrete retaining walls at the north end of the site, see Photo 4. Towards the southern end of the site concrete appears at the surface and is apparently related to a former residential foundation.

The site is relatively flat with a slight slope across the site to a depression in the southeast corner. The relative surface elevations at each soil boring location are shown on Figure 2. Currently, residential properties are present to the north and east of the site and commercial properties are present to the south and west of the site.

1.2 OBJECTIVE AND SCOPE OF WORK

The objective of this project was to conduct a limited Remedial Investigation in accordance with Michigan Department of Environmental Quality (MDEQ) established procedures to investigate possible contamination at the site due to past use. The investigation was required to delineate the extents of contamination, if contamination was discovered, and to identify potential sources and exposures. The results of the investigation were used to determine if a corrective action is required to obtain site closure. DLZ's request for proposal specified that the investigation was to include the collection of one or two soil samples and, possibly, a groundwater sample from the top eight feet at ten locations at the site.

2.0 INVESTIGATIVE PROCEDURES

2.1 SAMPLE COLLECTION PROCEDURES

This section presents the procedures and equipment used to perform the site investigation activities. During the Remedial Investigation, ten Geoprobe™ soil borings were advanced to a depth of eight feet below surface level. Boring locations are illustrated on Figure 2 and detailed soil boring logs are presented in Appendix B. Table 1 summarizes the depths of each boring and the sample collection locations. Geoprobe™ samples were collected by pushing a five-foot long clean sampling tube with a new acetate liner through the soil and retracting it, and the soil it contained, to the surface for screening using a photoionization detector (PID) followed by description and sampling by the geologist. If groundwater was encountered within the eight foot deep soil boring then a groundwater sample was to be collected.

2.1.1 Soil Sampling Procedures

The following detailed procedures were followed to collect soil samples from Geoprobe™ soil borings for analysis:

- 1) Geoprobe™ soil boring locations were selected randomly. The site was divided into ten cells of approximately equal area. Each cell was divided into 100 subcells and a random number generator was used to select which subcell was to be sampled within each of the cells. These locations are illustrated on Figure 2 and are identified in the field boring logs.
- 2) The soil was collected in 5-foot increments beginning at the surface using a 5-foot Geoprobe™ continuous sampling tube advanced to the proper depth.
- 3) Upon retrieval of the acetate liner from the sampling tube, the field geologist oriented the soil core and sliced open the liner. A PID was used to screen the soil sample for the presence of volatile vapors. Any unusual staining, odor, and PID reading was noted on the boring log.
- 4) The lithologic characteristics [color, texture, grain size and consistency using the Unified Soil Classification System (USCS)] of the soil at each location were recorded on the boring log.

- 5) At six of the locations two soil samples were collected. One from the top two feet and the other from the section of the boring which had either visual, olfactory, or PID readings most suggestive of contamination. At the other four locations groundwater was encountered within the first eight feet of the boring. At these locations a soil sample was collected from the top two feet of the boring and groundwater sample was collected from the top three feet of the water table. The sample depths were recorded in the field boring logs.
- 6) A portion of each soil sample was preserved with methanol according to EPA method SW846-5035 in the sample containers provided by the MDEQ Laboratory in Lansing, Michigan for volatile organic compound (VOC) analysis. Another portion was collected in glass jars containers provided by the MDEQ Laboratory for base neutral and acids (BNA) analysis and polychlorinated biphenyl (PCB) analysis. The remainder was collected in glass jars provided by the Trace Analytical Laboratories, Inc. (Trace) in Muskegon, Michigan for metals analysis.
- 7) The soil samples were labeled and stored in a cooler at approximately 4 degrees Celsius for delivery to the MDEQ Laboratory and Trace for analysis. Proper chain of custody procedures were followed during sample collection and delivery.

2.1.2 Groundwater Sampling Procedures

If groundwater was encountered within the eight foot deep soil boring then the following detailed procedures were followed to collect groundwater samples for analysis:

- 1) A Geoprobe™ Screen Point 15 Groundwater Sampler was used to collect groundwater samples. Within a foot of the soil boring location a new boring was made and the Screen Point 15 was installed. Three feet of well screen was exposed near the top of the water table. The geologist or geotechnical engineer used an electronic water level indicator to determine the depth to groundwater until the groundwater level stabilized. This measurement is listed in Table 2.
- 2) The well was purged to remove at least three well volumes or until it went dry. After allowing the suspended solids to settle, three groundwater samples were collected and measured for specific conductance and pH. Groundwater sampling equilibrium was established when each of these parameters were consistently within +/- ten percent for

three consecutive samples. Additional groundwater was removed from the well until equilibrium was reached. Final measurements are listed in Table 2.

- 3) A clean bailer was lowered slowly into the well, using caution not to aerate the groundwater. The bailer was lowered to a minimum of one foot below the water surface and pulled up to set the check valve. The bailer then was retrieved slowly and the sample transferred to the appropriate sample containers. For VOC analysis, a sample consisted of a set of three 40-ml glass vials with Teflon septa collected from the same location. Sample collection containers for VOCs were prepared to contain the hydrochloric acid (HCl) to lower sample pH to less than two. The vials were filled in such a manner that no air bubbles pass through the sample water as the bottle was filled. The vials were filled to overflowing and the Teflon side of the septum seal was positioned upon the convex sample meniscus. The bottle cap was screwed on tightly to seal the bottle. To check for air bubbles, the sample was inverted and the cap lightly tapped on a solid surface. The absence of entrapped air indicated a successful seal. If air bubbles were present a few additional drops of sample water were added and the bottle resealed as above. The hermetic seal on the sample bottles was maintained until time of analysis.
- 4) The remainder of the bottles were then filled in the following order: BNAs, PCBs, and metals. No preservatives were added to sample containers for BNAs, PCBs and metals analysis. Immediately upon collection all samples were be placed on ice in a cooler to maintain a preservation temperature of 4°C (+/- 2°C). Sample collection containers for metals analysis were specially earmarked, shipped to the MDEQ Laboratory for filtration, and preserved with nitric acid (HNO₃) to lower sample pH to less than two within 24 hours of sample collection.

Prior to the use of sampling equipment at specific field locations and between individual sampling events, the drilling tools were thoroughly cleaned with non-phosphate detergent and rinsed with clean water. Quality Assurance/Quality Control (QA/QC) protocols, including instrument calibration, sample chain-of-custody procedures and other sample handling protocols were performed as required and detailed in Altech's Remedial Investigation Work Plan.

All boreholes were abandoned by backfilling them with Bentonite chips. Excess soil and groundwater, not submitted for analysis, was stored in a 55-gallon drum awaiting analytical results.

2.2 LABORATORY ANALYTICAL PROCEDURES

Samples were analyzed in accordance with USEPA SW-846. The following methods from USEPA SW-846 were employed because they offered sufficiently low detection limits to allow screening of the data relative to the applicable action levels:

Analyte	Procedure
Volatile Organic Compounds (VOCs)	8260
Base Neutral & Acids (BNAs)	8270
Polychlorinated Biphenyls (PCBs)	8082
10 Michigan Metals	6010/7000 series

2.3 QUALITY CONTROL REQUIREMENTS

Quality Control (QC) is an essential element of any chemical sampling and analysis program. In accordance with MDEQ procedures, a minimum of 10% of the samples submitted for laboratory analysis were blind duplicate samples. This required that two blind duplicate soil samples be analyzed for the sixteen soil samples collected.

3.0 RESULTS AND DISCUSSION

As part of this investigation, a total of ten soil borings were installed to a depth of eight feet to determine the contamination concentrations in the soil. At boring locations A27, B53, D17, and E47 groundwater was encountered. Therefore, at these four locations a soil sample was collected near the surface and a groundwater sample was collected from the top of the water table. At the six other locations, where groundwater was not encountered, two

soil samples were collected as described previously. Boring and sampling depths are summarized in Table 1. Soil Boring Logs are included in Appendix B.

3.1 GEOLOGY

The soil borings indicate that the soil of the subject property is generally sandy near the surface with the relative proportion of clay increasing with depth. The soils also harden with depth and are generally moist at a depth between 2.5 to 3.0 feet and saturation where encountered occurred by 4.0 feet of depth. Lenses of sandy soil are interspersed within the more clayey substratum and tend to be the water-bearing soils.

The USDA, Oakland County, Soil Survey Report (1982) identifies the soil in the area of the subject property as belonging to the Urban land-Marlette complex. Urban land is described as 85% developed land with some small areas of clayey to sandy soil. The Marlette complex is described as dark brown sandy loam in the upper portions grading downward into firm brown clay loam. Loam is a soil type comprised of roughly equal proportions of sand, silt, and clay. Marlette soils have moderately slow permeability and relatively high water capacity. High water table level varies seasonally, ranging from 2.5 to 6 feet in winter and spring. Marlette soils have undergone a significant amount of leveling and filling.

The soils encountered during the investigation of the subject property conform closely to the description of the Marlette group soils including areas of gravely coarse sand found near the surface at some boring locations which may be explained as fill material used to level the property.

The groundwater encountered in this investigation occurred in four boreholes that were located in the southwestern corner of the property, the lowest lying portion of the property. The groundwater occurred at varying depths below surface. The saturated soils are typically sand-rich layers, which were often underlain by an unsaturated or even dry clay-rich soil. Based on the vertical and horizontal discontinuity of the water table, the proximity to an area where ponding would most likely occur, and the low permeability of the soil, it has been determined that the water encountered in this investigation is localized, perched

groundwater which has percolated downward from the surface. As such this does not meet the definition of groundwater in an aquifer.

3.2 SOIL ANALYTICAL RESULTS

The soil from each boring was screened with a PID. There were no PID readings above background. As the soils were screened there were no visible signs of contamination. Sixteen soil samples plus two blind duplicates were collected for analysis. The portion of each soil sample to be analyzed for VOCs, BNAs, and PCBs was sent to the MDEQ Laboratory. The results are summarized on Table 3. The complete MDEQ Laboratory analytical report is included in Appendix C. The remainder of each soil sample was sent to Trace for analysis of the 10 Michigan Metals. The results are summarized on Table 4. The complete Trace analytical report is included in Appendix D.

Altech compared the analytical results of the soil samples to the applicable MDEQ Part 201 Residential Protection Criteria, including, but not limited to Direct Contact Criteria and Drinking Water Protection Criteria. There is no surface water close to the site, therefore, the Groundwater Surface Water Interface Cleanup Criteria was not used. The following blind duplicate samples were collected and analyzed.

<u>Boring Number</u>	<u>Sample Depth</u>	<u>Base Sample</u>	<u>Blind Sample</u>
C46	5.0 Feet	NS-S-C46B	NS-S-K12A
I43	5.0 Feet	NS-S-I43B	NS-S-K12B

3.2.1 VOC Analyses

Of the sixteen soil samples analyzed only one analyte was detected and it was detected in only one of the samples. In soil sample NS-S-F99B, collected 4.5 feet below grade, 2-Butanone (MEK) was detected at 290 ug/Kg (Appendix C, page 37). This is well below the lowest applicable Residential and Commercial I Cleanup Criteria of 260,000 ug/Kg for Drinking Water Protection.

The MDEQ Laboratory's reporting limits varied among the sixteen soil samples analyzed because soil interference problems required increased dilution of some samples for analysis.

Soil sample NS-S-D17A had the highest reporting limits (Appendix C, pages 22 and 23). Many of these reporting limits exceeded the Target Detection Limits (TDLs) assigned by the MDEQ in Operational Memorandum 6, dated November 1, 1998. The reporting limit of four analytes (Bromomethane, 1,2-Dibromo-3-chloropropane, Methylene chloride, and Vinyl chloride) in each of the sixteen soil samples exceeded both the TDL and lowest applicable Residential and Commercial I Cleanup Criteria. The VOC results of the two blind duplicate samples were similar to the base samples; everything was non-detect.

3.2.2 BNA Analyses

No BNAs were detected in twelve of the sixteen soil samples. BNAs were detected in four soil samples (NS-S-A27A, NS-S-B53A, NS-S-D17A, and NS-S-E47A). Each of these samples was collected near the surface and in the southeast corner of the site. In addition, each of these samples were collected from borings where saturated soil was observed within eight feet of the surface. None of the compounds detected in these four samples exceeded the applicable Residential and Commercial I Cleanup Criteria.

The MDEQ Laboratory's reporting limits varied among the sixteen soil samples analyzed. Soil sample NS-S-B53A had the highest reporting limits (Appendix C, pages 9 and 10). Many of these reporting limits exceeded the MDEQ TDLs. The reporting limit of two analytes (2-Methyl-4,6-dinitrophenol and Pentochlorophenol) in each of the sixteen soil samples exceeded both the TDL and lowest applicable Residential and Commercial I Cleanup Criteria. In addition, one analyte (2-Nitrophenol) in only one sample (NS-A-B53A) exceeded both the TDL and lowest applicable Residential and Commercial I Cleanup Criteria. The BNA results of the two blind duplicate samples were similar to the base samples; everything was non-detect.

3.2.3 PCB Analyses

Of the sixteen soil samples analyzed only one aroclor was detected and it was detected in only one of the samples. In soil sample NS-S-H42B, collected 3.5 feet below grade, Aroclor 1260 was detected at 44 ug/Kg (Appendix C, page 61). This is below the applicable Residential and Commercial I Cleanup Criteria.

The MDEQ Laboratory's reporting limits were all equal to or less than the MDEQ TDLs.

The PCB results of the two blind duplicate samples were similar to the base samples; everything was non-detect.

3.2.4 Metals Analyses

The 10 Michigan Metals analytical results fell within the QC criteria established by Trace.

Trace's reporting limits were all equal to or less than the MDEQ TDLs for all analytes.

Only one of the sixteen soil samples exceeded the applicable Residential and Commercial I Cleanup Criteria. Soil sample NS-S-A27A was collected just below the surface and had an Arsenic concentration of 9,500 ug/Kg. This concentration exceeds the Direct Contact Criteria (7,600 ug/Kg) and the statewide Default Background Level (5,800 ug/Kg). The Altech QC samples (blind duplicates) produced similar results to the base samples.

3.3 GROUNDWATER ANALYTICAL RESULTS

Saturated soils were encountered in four of the ten borings completed at this site. The four borings (A27, B53, D17, and E47) are located in the southeastern corner of the site. A groundwater sample was collected at each location. Groundwater field measurements are summarized on Table 2. At two of the borings (D17 and E47) not enough water could be collected to fill all of the sample containers. Therefore, samples NS-W-D17 and NS-W-E47 were not analyzed for BNAs or PCBs. The MDEQ Laboratory completed all groundwater analyses. The organic analytical results are summarized on Table 5 and dissolved metals results are summarized on Table 6. The complete report is in Appendix E.

Altech compared the analytical results of the groundwater samples to the applicable Part 201 Residential Protection Criteria, including, but not limited to Drinking Water Criteria and Groundwater Contact Criteria. There is no surface water close to the site, therefore, the Groundwater Surface Water Interface Criteria was not used.

3.3.1 VOC Analyses

No VOC analytes were detected in any of the four groundwater samples analyzed. The MDEQ Laboratory's reporting limits were typically below the MDEQ TDLs. However, the

reporting limit of eleven of the analytes did exceed the TDL. Two analytes (1,2-Dibromo-3-chloropropane and Vinyl chloride) in each of the four groundwater samples exceeded both the TDL and the lowest applicable Residential and Commercial I Cleanup Criteria.

3.3.2 BNA Analyses

No BNAs were detected in either of the two groundwater samples. The MDEQ Laboratory's reporting limits of sample NS-W-A27 were slightly higher than the other sample. The MDEQ Laboratory's reporting limits for sample NS-W-A27 were typically below the MDEQ TDLs. However, the reporting limit of 23 of the analytes did exceed the TDL. Only two analytes (2-Methyl-4,6-dinitrophenol and Pentachlorophenol) in both of the groundwater samples exceeded both the TDL and the lowest applicable Residential and Commercial I Cleanup Criteria.

3.3.3 PCB Analyses

No PCBs were detected in either of the two groundwater samples. The MDEQ Laboratory's reporting limits were all equal to or less than the MDEQ TDLs as well as the applicable Residential and Commercial I Cleanup Criteria.

3.3.4 Metals Analyses

The 10 Michigan Metals analytical results of the four groundwater samples are summarized on page 1 of Appendix E. None of the groundwater samples exceeded the applicable Residential and Commercial I Cleanup Criteria. (There is no surface water close to the site, therefore, the Groundwater Surface Water Interface Cleanup Criteria was not used.) The MDEQ Laboratory's reporting limits were equal to or less than the MDEQ TDLs for all analytes. The recommended laboratory holding time was exceeded before the Mercury analyses were completed.

3.4 DISCUSSION

Only one of the soil or groundwater samples exceeded any of the applicable Residential and Commercial I Cleanup Criteria. In soil sample NS-S-A27A, collected six inches below grade, Arsenic was detected at 9,500 ug/Kg. This exceeds the statewide Default Background Level for Arsenic of 5,800 ug/Kg and the regional background for sandy soil in the Erie Lobe of 5,100 ug/Kg per the Michigan Department of Natural Resources, Waste

Management Division, Michigan Background Soil Survey of April 1991. A local background value was not established.

In addition, the lowest applicable Residential and Commercial I Cleanup Criteria, the Direct Contact Criteria of 7,600 ug/Kg, was also exceeded. There is no apparent "hot spot" at this sampling location, therefore the 95% Upper Confidence Limit (UCL) for the site's Arsenic data was calculated. The MDEQ Statistics Training Material manual was used as a guide to perform the calculations. The 95% UCL calculations indicate that the mean concentration for this data is below the Residential and Commercial I Cleanup Criteria. Calculation tables for the 95% UCL can be found in Appendix F. In addition, the concentration of Dissolved Arsenic in the groundwater sample collected just below this soil sample is 2.3 ug/L; well below the applicable Residential and Commercial I Cleanup Criteria of 50 ug/L.

4.0 CONCLUSION

Based on this Remedial Investigation of the shallow soil and groundwater at this site on July 21 and 24, 2000, Altech concludes that the applicable Part 201 Residential and Commercial I Generic Cleanup Criteria have not been exceeded. Therefore, the site is not considered a facility and future buyers may not need to be advised to complete a Baseline Environmental Assessment (BEA).

Table 1
Soil Boring Summary

Northeast Corner of Wide Track Dr. and N. Saginaw St.
Pontiac, Michigan

Boring Number	Boring Depth (feet)	Sampling Depth (feet)	Sample Matrix	Sample Number
A27	8	0.5-0.7 6-9	Soil Water	NS-S-A27A NS-W-A27
B53	8	0.5-0.7 6-9	Soil Water	NS-S-B53A NS-W-B53
C46	8	0.5-0.7 5 5	Soil Soil Soil	NS-S-C46A NS-S-C46B NS-S-K12A*
D17	8	0.5-0.7 6-9	Soil Water	NS-S-D17A NS-W-D17
E47	8	0.5-0.7 6-9	Soil Water	NS-S-E47A NS-W-E47
F99	8	0.5-0.7 4.5	Soil Soil	NS-S-F99A NS-S-F99B
G92	8	0.5-0.7 5	Soil Soil	NS-S-G92A NS-S-G92B
H42	8	0.5-0.7 3.5	Soil Soil	NS-S-H42A NS-S-H42B
I43	8	0.5-0.7 5 5	Soil Soil Soil	NS-S-I43A NS-S-I43B NS-S-K12B*
J93	8	0.5-0.7 5	Soil Soil	NS-S-J93A NS-S-J93B

* Blind duplicate sample.

ALTED

Table 2
Summary of Groundwater Field Measurements

Northeast Corner of Wide Track Dr. and N. Saginaw St.
Pontiac, Michigan

Boring Number	Sample Number	Sample Collection Time	Screened Interval ¹	Static Water Level ¹	Groundwater Elevation ²	Surface Elevation ²	pH	Specific Conductance (uS/cm)
A27	NS-W-A27	1210	6 - 9	4.4	91.7	96.1	7.0	1120
B53	NS-W-B53	1050	5 - 8	2.7	93.1	95.8	7.0	1170
D17	NS-W-D17	1330	6 - 9	3.8	91.8	95.8	7.0	1260
E47	NS-W-E47	1415	6 - 9	3.9	93.2	97.1	7.0	1000

¹ Feet below grade:

² Relative elevation based on bench mark shown on Figure 1.

Northeast Corner of Wide Track Dr. and N. Saginaw St.
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Table 3
Summary of Organic Analytical Results in Soil

VOCs	Boring A-27	Boring B-53	Boring C-46			Boring D-17	Boring E-47	Boring F-99	Boring G-92		Boring H-42		Boring I-43			Boring J-93	TDL	Residential & Commercial Cleanup Criteria		
	S-A27A	S-B53A	S-C46A	S-C46B	S-K12A	S-D17A	S-E47A	S-F99A	S-F99B	S-G92A	S-G92B	S-H42A	S-H42B	S-I43A	S-I43B	S-K12B	S-J93A	S-J93B	Lowest Value	Criteria
Dichlorodifluoromethane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	100	65,000 DWP
Chloromethane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	280	5,200 DWP
Vinyl chloride	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	40 DWP
Bromomethane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	200 DWP
Chloroethane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	8,600 DWP
Trichlorofluoromethane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	100	52,000 DWP
Acetone	820 U	860 U	850 U	870 U	860 U	890 U	850 U	840 U	870 U	850 U	810 U	840 U	800 U	820 U	800 U	780 U	800 U	790 U	5,000	16,000 DWP
Diethyl ether	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	200	200 DWP
1,1-Dichloroethylene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	140 DWP
Methyl iodide	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	NP	
Acrylonitrile	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	2,500	52 DWP
Methylene chloride	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	100 DWP
Carbon disulfide	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	16,000 DWP
trans-1,2-Dichloroethylene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	2,000 DWP
Methyltertbutyl ether (MTBE)	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	800 DWP
1,1-Dichloroethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	18,000 DWP
2-Butanone (MEK)	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	2,500	280,000 DWP
cis-1,2-Dichloroethylene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	1,400 DWP
Chloroform	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	2,000 DWP
Bromochloromethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	
1,1,1-Trichloroethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	4,000 DWP
1,2-Dichloroethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
Benzene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
Carbon tetrachloride	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
1,2-Dichloropropane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
Trichloroethylene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
Dibromomethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	250	1,800 DWP
Bromodichloromethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	2,000 DWP
4-Methyl-2-pentanone (MIBK)	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	2,500	38,000 DWP
cis-1,3-Dichloropropene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	420 DWP
trans-1,3-Dichloropropene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	420 DWP
Toluene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	100	16,000 DWP
1,1,2-Trichloroethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
2-Hexanone	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	2,500	20,000 DWP
Dibromochloromethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	2,000 DWP
1,2-Dibromoethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	250	1,600 DWP
Tetrachloroethane	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	100 DWP
Chlorobenzene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	2,000 DWP
1,1,1,2-Tetrachloroethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	1,500 DWP
Ethylbenzene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	1,500 DWP
m,p-Xylene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	5,000 DWP
Bromoforn	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	2,000 DWP
Styrene	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	50	2,700 DWP
o-Xylenes	55 U	57 U	57 U	58 U	57 U	59 U	56 U	56 U	56 U	57 U	54 U	56 U	53 U	54 U	53 U	52 U	53 U	53 U	150	5,600 DWP
1,1,2,2-Tetrachloroethane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	170 DWP
1,2,3-Trichloropropane	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	840 DWP
trans-1,4-Dichloro-2-butene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	NP	
Isopropylbenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	81,000 DWP
Bromobenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	550 DWP
n-Propylbenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	1,800 DWP
1,3,6-Trimethylbenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	1,800 DWP
tert-Butylbenzene	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	50	1,600 DWP
1,2,4-Trimethylbenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	2,100 DWP
sec-Butylbenzene	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	50	1,600 DWP
1,3-Dichlorobenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	170 DWP
1,4-Dichlorobenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	1,700 DWP
p-Isopropyl toluene	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	NP	
1,2-Dichlorobenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	100	1,400 DWP
n-Butylbenzene	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	50	1,500 DWP
Hexachlorobenzene	110 U	110 U	110 U	120 U	110 U	120 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	430 DWP
1,2-Dibromo-3-chloropropane	270 U	280 U	280 U	280 U	280 U	300 U	280 U	280 U	280 U	280 U	270 U	280 U	270 U	270 U	270 U	280 U	270 U	260 U	250	4 DWP
1,2,4-Trichlorobenzene	270 U	280 U	280 U	280 U	280 U	300 U														

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Table 3
Summary of Organic Analytical Results in Soil

	Boring A-27	Boring B-53	Boring C-46			Boring D-17	Boring E-47	Boring F-89		Boring G-92		Boring H-42		Boring I-43			Boring J-93		TDL	Residential & Commercial Cleanup Criteria	
	S-A27A	S-B53A	S-C46A	S-C46B	S-K12A*	S-D17A	S-E47A	S-F89A	S-F89B	S-G92A	S-G92B	S-H42A	S-H42B	S-I43A	S-I43B	S-K12B*	S-J93A	S-J93B		Lowest Value	Criteria
N-Nitrosodimethylamine	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	5,400	DWP
Phenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	88,000	DWP
Bis(2-Chloroethyl)ether	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100	330	DWP
2-Chlorophenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	900	DWP
1,3-Dichlorobenzene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100	170	DWP
1,4-Dichlorobenzene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100	1,700	DWP
1,2-Dichlorobenzene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100	14,000	DWP
2-Methylphenol (o-cresol)	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	7,400	DWP
Bis(2-Chloroisopropyl)ether	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330		
3,4-Methylenediphenol (m,p-cresol)	770 U	840 U	730 U	780 U	730 U	730 U	740 U	740 U	770 U	770 U	770 U	730 U	780 U	720 U	700 U	700 U	730 U	720 U	330	7,400	DWP
N-Nitrosodi-n-propylamine	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	330	DWP
Hexachloroethane	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	430	DWP
Nitrobenzene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	330	DWP
Isophorone	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	15,000	DWP
2-Nitrophenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	400	DWP
2,4-Dimethylphenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	7,400	DWP
Bis(2-Chloroethoxy)methane	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330		
2,4-Dichlorophenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	1,500	DWP
1,2,4-Trichlorobenzene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	4,200	DWP
Naphthalene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	35,000	DWP
Hexachlorocyclopentadiene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	26,000	DWP
4-Chloro-3-methylphenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	5,800	DWP
2-Methylnaphthalene	290 U	320 U	270 U	280 U	280 U	280 U	280 U	280 U	290 U	290 U	270 U	270 U	290 U	270 U	270 U	270 U	280 U	270 U	330	57,000	DWP
Hexachlorocyclopentadiene	2,300 U	2,500 U	2,200 U	2,300 U	2,200 U	2,200 U	2,200 U	2,200 U	2,300 U	2,300 U	2,200 U	2,100 U	2,300 U	2,200 U	2,100 U	2,100 U	2,200 U	2,200 U	330	320,000	DWP
2,4,6-Trichlorophenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	2,400	DWP
2,4,5-Trichlorophenol	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	58,000	DWP
2-Chloronaphthalene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	620,000	DWP
2-Nitroaniline	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700		
Acenaphthylene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	5,900	DWP
Dimethyl phthalate	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	780,000	DWP
2,6-Dinitrotoluene	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330		
3-Nitroaniline	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700		
Acenaphthene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	300,000	DWP
2,4-Dinitrophenol	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700		
Dibenzofuran	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330		
4-Nitrophenol	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700		
2,4-Dinitrotoluene	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	430	DWP
Fluorene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	380,000	DWP
Diethyl phthalate	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	110,000	DWP
4-Nitroaniline	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700		
2-Methyl-4,6-dinitrophenol	2,000 U	2,200 U	1,900 U	2,000 U	1,900 U	1,900 U	1,900 U	1,900 U	2,000 U	2,000 U	1,900 U	1,800 U	2,000 U	1,800 U	1,800 U	1,800 U	1,900 U	1,900 U	1,700	1,700	DWP
4-Chlorophenyl-phenylether	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330		
N-Nitrosodiphenylamine	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	5,400	DWP
Azobenzene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	4,200	DWP
4-Bromophenyl-phenylether	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330		
Hexachlorobenzene	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	210 U	230 U	220 U	210 U	210 U	220 U	220 U	330	1,800	DWP
Perchlorophenol	4,000 U	4,300 U	3,700 U	3,900 U	3,800 U	3,800 U	3,800 U	3,800 U	4,000 U	4,000 U	3,700 U	3,600 U	3,900 U	3,700 U	3,600 U	3,600 U	3,700 U	3,700 U	3,400	22	DWP
Phenanthrene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	56,000	DWP
Anthracene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	41,000	DWP
Carbazole	380 U	420 U	380 U	380 U	370 U	370 U	370 U	370 U	380 U	380 U	380 U	350 U	380 U	380 U	350 U	350 U	370 U	380 U	330	9,400	DWP
Di-n-butylphthalate	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	780,000	DWP
Fluoranthene	170 U	810 U	110 U	110 U	110 U	110 U	140 U	790 U	110 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	730,000	DWP
Pyrene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	480,000	DWP
Butyl benzyl phthalate	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	310,000	DWP
Benzo(a)anthracene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	20,000	DCC
Chrysene	120 U	130 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	120 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	330	2,000,000	DCC
bis(2-Ethylhexyl)phthalate	230 U	250 U	220 U	230 U	220 U	220 U	220 U	220 U	230 U	230 U	220 U	2									

Northeast Corner of Wide Track Dr. and N. Saginaw St.
Pontiac, Michigan

Table 3
Summary of Organic Analytical Results in Soil

PCBs	Boring A-27	Boring B-53	Boring C-46			Boring D-17	Boring E-47	Boring F-99		Boring G-92		Boring H-42		Boring I-43			Boring J-93		TDL	Residential & Commercial I Cleanup Criteria	
	S-A27A	S-B53A	S-C46A	S-C46B	S-K12A*	S-D17A	S-E47A	S-F99A	S-F99B	S-G92A	S-G92B	S-H42A	S-H42B	S-I43A	S-I43B	S-K12B*	S-J93A	S-J93B		Lowest Value	Criteria
Aroclor 1016 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1221 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1232 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1242 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1246 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1254 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1260 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1262 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC
Aroclor 1268 (PCB)	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	100 U	110 U	110 U	330	4,000	DCC

Note: Units are ug/Kg. Analytical results detected above the laboratory's reporting limit are highlighted.

DCC = Direct contact criteria

DWP = Drinking water protection criteria

NP = Not published

TDL = MDEQ analytical target detection limit

U = Compound not detected above the laboratory reporting limit. Concentration listed is the laboratory reporting limit.

Table 4
Summary of Metals Analytical Results in Soils

**Northeast Corner of Wide Track Dr. and N. Saginaw St.
Pontiac, Michigan**

Sample Number	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Copper	Total Lead	Total Mercury	Total Selenium	Total Silver	Total Zinc
Residential & Commercial I Cleanup Criteria	7,600	1,300,000	6,000	30,000 **	5,800,000	400,000	1,700	4,000	4,500	2,400,000
Criteria	DCC	DWP	DWP	DWP	DWP	DWP	DWP	DWP	DWP	DWP
Statewide Default Background Level	5,800	75,000	1,200	18,000	32,000	21,000	130	410	1,000	47,000
NS-S-A27A	9,500 CB	87,000 B	410	11,000	51,000 B	340,000 B	210 B	1,200 B	500 U	250,000 B
NS-S-B53A	5,800	51,000	380	14,000	21,000	140,000 B	110	900 B	500 U	103,000 B
NS-S-C46A	2,200	47,000	550	10,000	11,000	230,000 B	100 U	420 B	500 U	190,000 B
NS-S-C46B	3,700	45,000	75	19,000 B	16,000	23,000 B	110	890 B	500 U	62,000 B
NS-S-K12A*	5,200	2,200	130	2,200	11,000	6,900	100 U	740 B	500 U	2,000
NS-S-D17A	5,000	66,000	490	13,000	18,000	170,000 B	140 B	910 B	500 U	180,000 B
NS-S-E47A	3,500	43,000	130	10,000	9,800	54,000 B	100 U	450 B	500 U	40,000
NS-S-F99A	3,700	44,000	97	12,000	11,000	13,000	100 U	500 B	500 U	42,000
NS-S-F99B	4,700	34,000	60	17,000	16,000	7,300	100 U	680 B	500 U	41,000
NS-S-G92A	5,700	25,000	110	13,000	14,000	6,900	100 U	740 B	500 U	35,000
NS-S-G92B	5,700	23,000	150	11,000	13,000	7,000	100 U	850 B	500 U	33,000
NS-S-H42A	5,100	37,000	500	9,000	17,000	220,000 B	100 U	680 B	500 U	79,000 B
NS-S-H42B	3,900	44,000	93	13,000	11,000	20,000	120	750 B	500 U	52,000 B
NS-S-I43A	7,500 B	63,000	870	17,000	32,000 B	290,000 B	150 B	1,300 B	500 U	380,000 B
NS-S-I43B	5,500	30,000	140	12,000	12,000	20,000	100 U	670 B	500 U	49,000 B
NS-S-K12B*	5,200	1,000 U	120	1,800	11,000	8,100	100 U	680 B	500 U	1,700
NS-S-J93A	4,500	27,000	98	12,000	11,000	5,900	100 U	750 B	500 U	33,000
NS-S-J93B	4,700	1,800	95	2,200	11,000	7,600	100 U	630 B	500 U	1,900

Units are ug/Kg. See Appendix C for detailed analytical report.

* Blind duplicate of the preceeding sample.

** Used Chromium VI generic cleanup criteria.

B = Value exceeds statewide default background level.

C = Value exceeds lowest applicable Residential and Commercial I Cleanup Criteria.

DCC = Direct Contract Criteria.

DWP = Drinking Water Protection criteria.

U = Compound not detected.

Table 5
Summary of Organic Analytical Results in Groundwater
Northeast Corner of Wide Track Dr. and N. Saginaw St., Pontiac, Michigan

	Boring A-27 W-A27	Boring B-53 W-B53	Boring C-46 W-D17	Boring E-47 W-E47	TDL	Residential & Commercial I Cleanup Criteria	
						Lowest Value	Criteria
Dichlorofluoromethane	5.0 U	5.0 U	5.0 U	5.0 U	1	1,700	DWC
Chloromethane	5.0 U	5.0 U	5.0 U	5.0 U	1	280	DWC
Vinyl chloride	5.0 U	5.0 U	5.0 U	5.0 U	1	2	DWC
Bromomethane	5.0 U	5.0 U	5.0 U	5.0 U	1	10	DWC
Chloroethane	5.0 U	5.0 U	5.0 U	5.0 U	1	430	DWC
Trichlorofluoromethane	5.0 U	5.0 U	5.0 U	5.0 U	1	2,600	DWC
Acetone	25 U	25 U	29 U	25 U	100	730	DWC
Diethyl ether	10 U	70 U	10 U	10 U	50	10	DWC
1,1 Dichloroethylene	1.0 U	1.0 U	1.0 U	1.0 U	1	7	DWC
Methyl iodide	1.0 U	1.0 U	1.0 U	1.0 U	NP		
Acrylonitrile	5.0 U	5.0 U	5.0 U	5.0 U	1	26	DWC
Methylene chloride	5.0 U	5.0 U	5.0 U	5.0 U	5	5	DWC
Carbon disulfide	5.0 U	5.0 U	5.0 U	5.0 U	5	800	DWC
trans-1,2-Dichloroethylene	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
Methylterbutyl ether (MTBE)	5.0 U	5.0 U	5.0 U	5.0 U	5	40	DWC
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	880	DWC
2-Butanone (MEK)	5.0 U	5.0 U	5.0 U	5.0 U	50	13,000	DWC
cis-1,2-Dichloroethylene	1.0 U	1.0 U	1.0 U	1.0 U	1	70	DWC
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
Bromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	200	DWC
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
Carbon tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
Trichloroethylene	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
Dibromomethane	1.0 U	1.0 U	1.0 U	1.0 U	5	80	DWC
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
4-Methyl-2-pentanone (MIBK)	5.0 U	5.0 U	5.0 U	5.0 U	50	1,800	DWC
trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1	21	DWC
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1	790	DWC
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	50	1,000	DWC
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
1,2-Dibromomethane	1.0 U	1.0 U	1.0 U	1.0 U	1	1	DWC
Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	5	DWC
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	77	DWC
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	74	DWC
m&p-Xylene	2.0 U	2.0 U	2.0 U	2.0 U	3	280	DWC
Bromoforn	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1	100	DWC
o-Xylenes	1.0 U	1.0 U	1.0 U	1.0 U	3	280	DWC
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1	8.5	DWC
1,2,3-Trichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1	42	DWC
trans-1,4-Dichloro-2-butene	1.0 U	1.0 U	1.0 U	1.0 U	NP		
Isopropylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	800	DWC
Bromobenzene	2.0 U	2.0 U	2.0 U	2.0 U	1	18	DWC
n-Propylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	80	DWC
1,3,5-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	72	DWC
tert-Butylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	1	80	DWC
1,2,4-Trimethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	83	DWC
sec-Butylbenzene	5.0 U	5.0 U	5.0 U	5.0 U	1	80	DWC
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	66	DWC
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	75	DWC
p-Isopropyl toluene	5.0 U	5.0 U	5.0 U	5.0 U	NP		
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	600	DWC
n-Butylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1	80	DWC
Heptachlorocyclopentadiene	1.0 U	1.0 U	1.0 U	1.0 U	1	7.3	DWC
1,2-Dibromo-3-chloropropane	5.0 U	5.0 U	5.0 U	5.0 U	1	0.2	DWC
1,2,4-Trichlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5	70	DWC
Naphthalene	5.0 U	5.0 U	5.0 U	5.0 U	5	35,000	DWC
1,2,3-Trichlorobenzene	5.0 U	5.0 U	5.0 U	5.0 U	5		
2-Methylnaphthalene	5.0 U	5.0 U	5.0 U	5.0 U	5	260	DWC

See footnotes on page 3.

Table 5
Summary of Organic Analytical Results in Groundwater
Northeast Corner of Wide Track Dr. and N. Saginaw St., Pontiac, Michigan

	Boring A-27 WA27	Boring B-53 WB53	Boring C-46 WD17	Boring E-47 WE47	TDL	Residential & Commercial Cleanup Criteria	Criteria
						Lowest Value	
ENAS							
N-Nitrosodimethylamine	6.0 U	5.3 U	NA	NA	5	270	DWC
Phenol	12 U	11 U	NA	NA	5	4,400	DWC
Bis(2-Chloroethyl)ether	12 U	1.1 U	NA	NA	5	2	DWC
2-Chlorophenol	12 U	11 U	NA	NA	5	45	DWC
1,3-Dichlorobenzene	12 U	1.1 U	NA	NA	1	6.6	DWC
1,4-Dichlorobenzene	12 U	1.1 U	NA	NA	1	75	DWC
1,2-Dichlorobenzene	12 U	1.1 U	NA	NA	1	800	DWC
2-Methylphenol (o-cresol)	12 U	11 U	NA	NA	5	370	DWC
Bis(2-Chloroisopropyl)ether	12 U	1.1 U	NA	NA	5		
3,4-Methylphenol (m/p-cresol)	24 U	2.1 U	NA	NA	5	370	DWC
N-Nitrosodipropylamine	24 U	2.1 U	NA	NA	5	370	DWC
Hexachlorocyclopentadiene	12 U	1.1 U	NA	NA	5	7.3	DWC
Hexachlorobenzene	24 U	2.1 U	NA	NA	5	3.4	DWC
Isophorone	12 U	1.1 U	NA	NA	5	770	DWC
2-Nitrophenol	12 U	1.1 U	NA	NA	5	20	DWC
2,4-Dimethylphenol	12 U	1.1 U	NA	NA	5	370	DWC
Bis(2-Chloroethoxy)methane	24 U	2.1 U	NA	NA	5		
1,2,4-Trichlorobenzene	12 U	1.1 U	NA	NA	10	73	DWC
2,4-Dichlorophenol	24 U	2.1 U	NA	NA	5	70	DWC
Naphthalene	12 U	1.1 U	NA	NA	5	520	DWC
Hexachlorobutadiene	24 U	2.1 U	NA	NA	5	15	DWC
4-Chloro-3-methylphenol	12 U	1.1 U	NA	NA	5	150	DWC
2-Methylnaphthalene	6.0 U	5.3 U	NA	NA	5	260	DWC
Hexachlorocyclopentadiene	12 U	1.1 U	NA	NA	5	50	DWC
2,3,7,8-Tetrachlorodibenzodioxin	12 U	1.1 U	NA	NA	5	120.0	DWC
2,4,5-Trichlorophenol	12 U	1.1 U	NA	NA	5	730	DWC
2-Chloronaphthalene	24 U	2.1 U	NA	NA	5	1,800	DWC
2-Nitroaniline	24 U	2.1 U	NA	NA	20		
Acenaphthylene	12 U	1.1 U	NA	NA	5	52	DWC
Dimethyl phthalate	24 U	2.1 U	NA	NA	5	73,000	DWC
2,6-Dinitrotoluene	6.0 U	5.3 U	NA	NA	5		
3-Nitroaniline	24 U	2.1 U	NA	NA	20		
Acenaphthene	12 U	1.1 U	NA	NA	5	1,300	DWC
2,4-Dinitrophenol	8.0 U	5.3 U	NA	NA	20		
Dibenzofuran	6.0 U	5.3 U	NA	NA	5		
4-Nitrophenol	8.0 U	5.3 U	NA	NA	20		
2,4-Dinitrotoluene	6.0 U	5.3 U	NA	NA	5	7.7	DWC
Fluorene	12 U	1.1 U	NA	NA	5	880	DWC
Diethyl phthalate	12 U	1.1 U	NA	NA	5	5,600	DWC
4-Nitroaniline	24 U	2.1 U	NA	NA	20		
2-Methyl-4,6-dinitrophenol	6.0 U	5.3 U	NA	NA	20	20	DWC
4-Chlorophenyl-phenyl ether	12 U	1.1 U	NA	NA	5		
N-Nitrosodiphenylamine	24 U	2.1 U	NA	NA	5	270	DWC
Azobenzene	24 U	2.1 U	NA	NA	MP	23	DWC
4-Bromophenyl-phenyl ether	24 U	2.1 U	NA	NA	5		
Hexachlorobenzene	24 U	2.1 U	NA	NA	5	1	DWC
Pentachlorophenol	6.0 U	5.3 U	NA	NA	20	1	DWC
Phenanthrene	12 U	1.1 U	NA	NA	5	52	DWC
Anthracene	12 U	1.1 U	NA	NA	5	43	DWC
Carbazole	12 U	1.1 U	NA	NA	10	85	DWC
Di-n-butylphthalate	12 U	1.1 U	NA	NA	5	880	DWC
Fluoranthene	12 U	1.1 U	NA	NA	5	210.0	DWC
Pyrene	12 U	1.1 U	NA	NA	5	140	DWC
Butyl benzyl phthalate	12 U	1.1 U	NA	NA	5	1,200	DWC
Benzofluoranthene	12 U	1.1 U	NA	NA	5	2.1	DWC
Chrysene	12 U	1.1 U	NA	NA	5	5	DWC
Bis(2-Ethylhexyl)phthalate	24 U	2.1 U	NA	NA	5	6	DWC
Di-n-octylphthalate	24 U	2.1 U	NA	NA	5	130	DWC
Benzofluoranthene	24 U	2.1 U	NA	NA	5	2.1	DWC
Benzofluoranthene	24 U	2.1 U	NA	NA	5	5	DWC
Benzofluoranthene	24 U	2.1 U	NA	NA	5	5	DWC
Indeno(1,2,3-cd)pyrene	24 U	2.1 U	NA	NA	5	5	DWC
Dibenzofluoranthene	24 U	2.1 U	NA	NA	5	5	DWC
Benzofluoranthene	24 U	2.1 U	NA	NA	5	5	DWC

See footnotes on page 3.

Table 5
Summary of Organic Analytical Results in Groundwater
Northeast Corner of Wide Track Dr. and N. Saginaw St., Pontiac, Michigan

	Boring A-27	Boring B-53	Boring C-46	Boring E-47	TDL	Residential & Commercial I Cleanup Criteria	
	W-A27	W-B53	W-D17	W-E47		Lowest Value	Criteria
PCBs	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1016 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1221 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1232 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1242 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1248 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1254 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1260 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1262 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC
Aroclor-1268 (PCB)	0.11 U	0.11 U	NA	NA	0.2	0.5	DWC

Note: Units are ug/L. Analytical results detected above the laboratory reporting limit are highlighted.

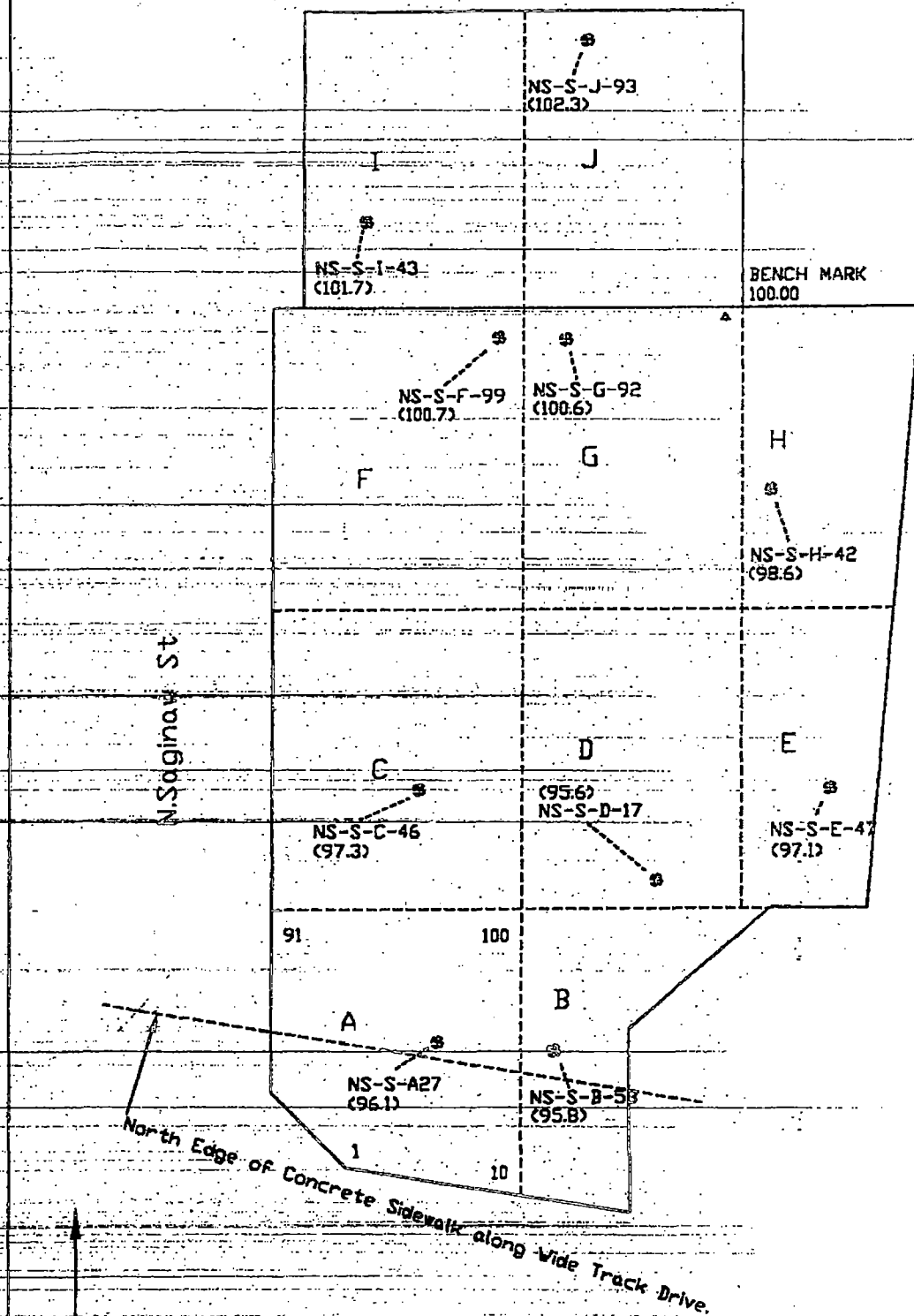
DWC = Drinking water criteria.

NA = Not analyzed.

NP = Not published.

TDL = MDEQ analytical target detection limit.

U = Compound not detected above the laboratory reporting limit. Concentration listed is the laboratory reporting limit.



Legend

B = Cell Name

91 = Subcell Number

— Property Boundary

- - - Grid Boundary

● Sample Location

(96.1) Ground Elevation at Sample Location

Note

Dimensions are in feet.

Figure 2

Site Map

Wide Track Drive and N. Saginaw Street, Pontiac, Michigan.			
Site			
Drawn by	AN	Checked by	VP
Scale	1" = 55'	Date	April 5, 2001

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT: N. SAGINAW STREET
 PROJECT LOCATION: PONTIAC, MI
 DRILLING METHOD: GEOPROBE
 GEOLOGIST: MARK CRUICKSHANK
 WEATHER: SUNNY, 72 F

BORING NO: A27
 DATE: 7/21/00
 TIME: 13:30
 BORING DEPTH: 8 Feet
 ELEVATION: 95.6 Feet

DEPTH (FEET)	USCS	SOIL DESCRIPTION	COLOR	SAMPLE NO:	SAMPLE DEPTH (FEET)	PID
0-2.7	SP	POORLY SORTED SAND AND 15% GRAVEL, LOOSE, DRY	YELLOWISH ORANGE	NS-S-A27A	0.5-0.7	0
2.7-3.0	SM	CLAYEY SANDS W/ GLASS SHARDS, MOD. HARD, INCREASED MOISTURE.	DARK GREY			0
3.0-4.5	SW	WELL SORTED SAND, LOOSE, SATURATION ZONE	YELLOWISH ORANGE			0
4.5-7.5	ML	FINE GRAINED CLAY, LOOSE, SATURATED.	DARK GREY	NS-W-A27*	6-9	0
7.5-8.0	SW	WELL SORTED SAND, FINE TO MEDIUM GRAINED, MOD. LOOSE, SATURATED.	YELLOWISH ORANGE			0

* Water sample collected on July 24, 2000.

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT:	N. SAGINAW STREET
PROJECT LOCATION:	PONTIAC, MI
DRILLING METHOD:	GEOPROBE
GEOLOGIST:	MARK CRUICKSHANK
WEATHER:	SUNNY, 72 F.

BORING NO:	B53
DATE:	7/21/00
TIME:	13:10
BORING DEPTH:	8 Feet
ELEVATION:	95.8 Feet

[illegible]

* Water sample collected on July 24, 2000.

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT: N. SAGINAW STREET

BORING NO: C46

PROJECT LOCATION: PONTIAC, MI.

DATE: 7/21/00

DRILLING METHOD: GEOPROBE

TIME: 13:45

GEOLOGIST: MARK CRUICKSHANK

BORING DEPTH: 8 Feet

WEATHER: SUNNY, 72 F

ELEVATION:-- 97.3 Feet

[illegible]

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT: N. SAGINAW STREET

BORING NO: D17

PROJECT LOCATION: PONTIAC, MI

DATE: 7/21/00

DRILLING METHOD: GEOPROBE

TIME: 14:55

GEOLOGIST: MARK CRUICKSHANK

BORING DEPTH: 8 Feet

WEATHER: SUNNY, 72 F

ELEVATION: 95.6 Feet

DEPTH (FEET)	USCS	SOIL DESCRIPTION	COLOR	SAMPLE NO:	SAMPLE DEPTH (FEET)	PID
0-1.0	OL	ORGANIC RICH CLAY/SAND, LOOSE, DRY.	LIGHT BROWN	NS-S-D17A	0.5-0.7	0
1.0-3.0	CL	SANDY CLAY, MOD. LOOSE, - DRY.	DARK GREY			0
3.0-4.0	SP	POORLY SORTED SAND W/ CLAY, MOD. LOOSE, MOIST.	LIGHT BROWN			0
4.0-5.0	SP	SATURATED SAND W/ CLAY, LOOSE.	LIGHT BROWN			0
5.0-6.0	SP	SAND W/ CLAY, MOD. LOOSE, - DECREASED MOISTURE.	LIGHT BROWN			0
6.0-7.0	OL	ORGANIC RICH CLAY, MOD. HARD, DECREASED MOISTURE.	DARK GREY	NS-W-D17*	6-9	0
7.0-8.0	SP	SATURATED SAND W/ CLAY, LOOSE.	LIGHT BROWN			0

* Water sample collected on July 24, 2000.

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT: N. SAGINAW STREET
 PROJECT LOCATION: PONTIAC, MI
 DRILLING METHOD: GEOPROBE
 GEOLOGIST: MARK CRUICKSHANK
 WEATHER: SUNNY, 72 F

BORING NO: E47
 DATE: 7/21/00
 TIME: 15:15
 BORING DEPTH: 8 Feet
 ELEVATION: 97.1 Feet

DEPTH (FEET)	USCS	SOIL DESCRIPTION	COLOR	SAMPLE NO:	SAMPLE DEPTH (FEET)	PID
0-1.0	OL	ORGANIC RICH CLAY/SAND, LOOSE, DRY.	LIGHT BROWN	NS-S-E47A	0.5-0.7	0
1.0-2.0	SW	WELL SORTED SAND, TREE ROOT, LOOSE, DRY.	YELLOWISH ORANGE			0
2.0-3.0	SP	POORLY SORTED SAND W/ INCREASED MOISTURE, LOOSE.	OLIVE GREY			0
3.0-4.0	GC	GRAVEL WITH SAND.	DARK GREY			0
4.0-5.0	SP	POORLY SORTED SAND, LOOSE, SATURATED.	LIGHT BROWN			0
5.0-7.0	SC	TRANSITION TO MORE CLAY RICH.	LIGHT BROWN	NS-W-E47*	6-9	0
7.0-8.0	ML	CLAY, MOD. HARD, DECREASED MOISTURE.	OLIVE GREY			0

* Water sample collected on July 24, 2000.

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT:	N. SAGINAW STREET
PROJECT LOCATION:	PONTIAC, MI
DRILLING METHOD:	GEOPROBE
GEOLOGIST:	MARK CRUICKSHANK
WEATHER:	SUNNY, 72 F

BORING NO:	F99
DATE:	7/21/00
TIME:	14:40
BORING DEPTH:	8 Feet
ELEVATION:	100.8 Feet

[illegible]

Altech Environmental Services, Inc.

WEATHER: SUNNY, 72 F

ELEVATION: 100.6 Feet

[illegible]

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT:	N. SAGINAW STREET
PROJECT LOCATION:	PONTIAC, MI
DRILLING METHOD:	GEOPROBE
GEOLOGIST:	MARK CRUICKSHANK
WEATHER:	SUNNY, 72 F

BORING NO:	H42
DATE:	7/21/00
TIME:	14:10
BORING DEPTH:	8 Feet
ELEVATION:	98.6 Feet

[illegible]

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT: N. SAGINAW STREET
PROJECT LOCATION: PONTIAC, MI
DRILLING METHOD: GEOPROBE
GEOLOGIST: MARK CRUICKSHANK
WEATHER: SUNNY, 72 F

BORING NO:	143
DATE:	7/21/00
TIME:	15:30
BORING DEPTH:	8 Feet
ELEVATION:	101.7 Feet

[illegible]

Soil Boring Log
Altech Environmental Services, Inc.

PROJECT:	N. SAGINAW STREET
PROJECT LOCATION:	PONTIAC, MI
DRILLING METHOD:	GEOPROBE
GEOLOGIST:	MARK CRUICKSHANK
WEATHER:	SUNNY, 72 F.

BORING NO.:	J93
DATE:	7/21/00
TIME:	16:05
BORING DEPTH:	8 Feet
ELEVATION:	102.3 Feet

[illegible]

MDEQ ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT

CAS #	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING LIMIT	DILUTION FACTOR
121-14-2	2,4-Dinitrotoluene	ND		380	1
86-73-7	Fluorene	ND		120	1
84-66-2	Diethyl-phthalate	ND		120	1
100-01-6	4-Nitroaniline	ND		2000	1
534-52-1	2-Methyl-4,6-dinitrophenol	ND		2000	1
7005-72-3	4-Chlorophenyl phenylether	ND		120	1
156-10-5	N-Nitrosodiphenylamine	ND		230	1
103-33-3	Azobenzene	ND		230	1
101-55-3	4-Bromophenyl phenylether	ND		230	1
118-74-1	Hexachlorobenzene	ND		230	1
87-86-5	Pentachlorophenol	ND		4000	1
85-01-8	Phenanthrene	110	T	120	1
120-12-7	Anthracene	ND		120	1
86-74-8	Carbazole	ND		380	1
84-74-2	Di-n-butyl phthalate	ND		120	1
206-44-0	Fluoranthene	170		120	1
129-00-0	Pyrene	110	T	120	1
85-68-7	Butyl benzyl phthalate	ND		120	1
56-55-3	Benz(a)anthracene	ND		120	1
218-01-9	Chrysene	ND		120	1
117-81-7	Bis(2-ethylhexyl)phthalate	ND		230	1
117-84-0	Di-n-octyl phthalate	ND		230	1
205-99-2	Benzo(b)fluoranthene	ND		230	1
207-08-9	Benzo(k)fluoranthene	ND		230	1
50-32-8	Benzo(a)pyrene	ND		230	1
193-39-5	Indeno(1,2,3-cd)pyrene	ND		230	1
53-70-3	Dibenz(a,h)anthracene	ND		230	1
191-24-2	Benzo(g,h,i)perylene	ND		230	1

ND = not detected at the specified reporting limit.

NM = not measured.

Reference method is 8270.

MDEQ ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT

CAS #	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING	DILUTION
				LIMIT	FACTOR
121-14-2	2,4-Dinitrotoluene	ND		420	
86-73-7	Fluorene	130		130	
84-66-2	Diethyl phthalate	ND		130	
100-01-6	4-Nitroaniline	ND		2200	
534-52-1	2-Methyl-4,6-dinitrophenol	ND		2200	
7005-72-3	4-Chlorophenyl phenylether	ND		130	
156-10-5	N-Nitrosodiphenylamine	ND		250	
103-33-3	Azobenzene	ND		250	
101-55-3	4-Bromophenyl phenylether	ND		250	
118-74-1	Hexachlorobenzene	ND		250	
87-86-5	Pentachlorophenol	ND		4300	
85-01-8	Phenanthrene	760		130	
120-12-7	Anthracene	190		130	
86-74-8	Carbazole	ND		420	
84-74-2	Di-n-butyl phthalate	ND		130	
206-44-0	Fluoranthene	810		130	
129-00-0	Pyrene	480		130	
85-68-7	Butyl benzyl phthalate	ND		130	
56-55-3	Benz(a)anthracene	340		130	
218-01-9	Chrysene	370		130	
117-81-7	Bis(2-ethylhexyl)phthalate	ND		250	
117-84-0	Di-n-octyl phthalate	ND		250	
205-99-2	Benzo(b)fluoranthene	330		250	
207-08-9	Benzo(k)fluoranthene	250		250	
50-32-8	Benzo(a)pyrene	320		250	
193-39-5	Indeno(1,2,3-cd)pyrene	220	T	250	
53-70-3	Dibenz(a,h)anthracene	ND		250	
191-24-2	Benzo(g,h,i)perylene	220	T	250	

ND = not detected at the specified reporting limit.

NM = not measured.

Reference method is 8270.

MDEQ ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT

CAS#	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING LIMIT	DILUTION FACTOR
14-2	2,4-Dinitrotoluene	ND		370	1
127	Fluorene	ND		110	1
142	Diethyl phthalate	ND		110	1
11-6	4-Nitroaniline	ND		1900	1
54	2-Methyl-4,6-dinitrophenol	ND		1900	1
42-3	4-Chlorophenyl phenylether	ND		110	1
10-5	N-Nitrosodiphenylamine	ND		220	1
13-3	Azobenzene	ND		220	1
15-3	4-Bromophenyl phenylether	ND		220	1
74-1	Hexachlorobenzene	ND		220	1
18-5	Pentachlorophenol	ND		3800	1
14-8	Phenanthrene	ND		110	1
12-7	Anthracene	ND		110	1
74-8	Carbazole	ND		370	1
74-2	Di-n-butyl phthalate	ND		110	1
144-0	Fluoranthene	140		110	1
100-0	Pyrene	ND		110	1
68-7	Butyl benzyl phthalate	ND		110	1
55-3	Benz(a)anthracene	ND		110	1
101-9	Chrysene	ND		110	1
181-7	Bis(2-ethylhexyl)phthalate	ND		220	1
134-0	Di-n-octyl phthalate	ND		220	1
159-2	Benzo(b)fluoranthene	ND		220	1
17-9	Benzo(k)fluoranthene	ND		220	1
32-8	Benzo(a)pyrene	ND		220	1
193-5	Indeno(1,2,3-cd)pyrene	ND		220	1
170-3	Dibenz(a,h)anthracene	ND		220	1
194-2	Benzo(g,h,i)perylene	ND		220	1

ND = not detected at the specified reporting limit.

NM = not measured.

Reference method is 8270.

MDEQ ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT

CAS #	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING	DILUTION
				LIMIT	FACTOR
121-14-2	2,4-Dinitrotoluene	ND		370	
86-73-7	Fluorene	ND		110	
84-66-2	Diethyl phthalate	ND		110	
100-01-6	4-Nitroaniline	ND		1900	
534-52-1	2-Methyl-4,6-dinitrophenol	ND		1900	
7005-72-3	4-Chlorophenyl phenylether	ND		110	
156-10-5	N-Nitrosodiphenylamine	ND		220	
103-33-3	Azobenzene	ND		220	
101-55-3	4-Bromophenyl phenylether	ND		220	
118-74-1	Hexachlorobenzene	ND		220	
87-86-5	Pentachlorophenol	ND		3800	
85-01-8	Phenanthrene	500		110	
120-12-7	Anthracene	110		110	
86-74-8	Carbazole	ND		370	
84-74-2	Di-n-butyl phthalate	110		110	
206-44-0	Fluoranthene	790		110	
129-00-0	Pyrene	590		110	
85-68-7	Butyl benzyl phthalate	ND		110	
56-55-3	Benz(a)anthracene	360		110	
218-01-9	Chrysene	420		110	
117-81-7	Bis(2-ethylhexyl)phthalate	ND		220	
117-84-0	Di-n-octyl phthalate	ND		220	
205-99-2	Benzo(b)fluoranthene	390		220	
207-08-9	Benzo(k)fluoranthene	330		220	
50-32-8	Benzo(a)pyrene	380		220	
193-39-5	Indeno(1,2,3-cd)pyrene	200	T	220	
53-70-3	Dibenz(a,h)anthracene	ND		220	
191-24-2	Benzo(g,h,i)perylene	200	T	220	

ND = not detected at the specified reporting limit.

NM = not measured.

Reference method is 8270.

MDEQ ENVIRONMENTAL LABORATORY ANALYTICAL REPORT

Work Order #: 0007202-08ME

Collected: 7/21/2000
Analyzed: 7/28/2000 by LI
Solids: 87%

Test Code: SME
Test Name: MEOH-Sed
Sample ID: NS-S-F99B

CAS#	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING LIMIT	DILUTION FACTOR
111-8	Dichlorodifluoromethane	ND		290	50.2
75-83	Chloromethane	ND		290	50.2
75-14	Vinyl chloride	ND		120	50.2
75-19	Bromomethane	ND		290	50.2
78-3	Chloroethane	ND		290	50.2
70-14	Trichlorofluoromethane	ND		290	50.2
67-61	Acetone	ND		870	50.2
109-7	Diethyl ether	ND		290	50.2
78-54	1,1-Dichloroethylene	ND		58	50.2
78-4	Methyl iodide	ND		120	50.2
115-1	Acrylonitrile	ND		290	50.2
109-2	Methylene chloride	ND		290	50.2
75-0	Carbon disulfide	ND		290	50.2
7060-5	trans-1,2-Dichloroethylene	ND		58	50.2
78-044	Methyl tertbutylether (MTBE)	ND		290	50.2
78-14-3	1,1-Dichloroethane	ND		58	50.2
78-13-3	2-Butanone (MEK)	290		290	50.2
756-59-2	cis-1,2-Dichloroethylene	ND		58	50.2
78-06-3	Chloroform	ND		58	50.2
78-27-5	Bromochloromethane	ND		120	50.2
78-55-6	1,1,1-Trichloroethane	ND		58	50.2
78-06-2	1,2-Dichloroethane	ND		58	50.2
78-143-2	Benzene	ND		58	50.2
78-23-5	Carbon tetrachloride	ND		58	50.2
78-87-5	1,2-Dichloropropane	ND		58	50.2
78-01-6	Trichloroethylene	ND		58	50.2
78-95-3	Dibromomethane	ND		120	50.2
78-27-4	Bromodichloromethane	ND		120	50.2
78-10-1	4-Methyl-2-pentanone (MIBK)	ND		290	50.2
78-061-01-5	cis-1,3-Dichloropropene	ND		58	50.2
78-061-02-6	trans-1,3-Dichloropropene	ND		58	50.2
78-88-3	Toluene	ND		58	50.2
78-00-5	1,1,2-Trichloroethane	ND		58	50.2
78-11-78-6	2-Hexanone	ND		290	50.2
78-14-48-1	Dibromochloromethane	ND		120	50.2
78-06-93-4	1,2-Dibromoethane	ND		58	50.2

MDEQ ENVIRONMENTAL LABORATORY
ANALYTICAL REPORT

Work Order #: 0007202-120S

Date Collected: 7/21/2000
Date Extracted: 8/3/2000 by 1206-KS
Date Analyzed: 8/9/2000 by TAITs
Total Solids: 93%

Test Code: SPCB
Test Name: PCB - Sediment
Sample ID: NS-S-H42B

CAS #	COMPOUND	RESULTS ug/Kg (dry)	REMARK	REPORTING LIMIT	DILUTION FACTOR
141-11-2	Aroclor 1016 (PCB)	ND		110	1.0
141-28-2	Aroclor 1221 (PCB)	ND		110	1.0
141-16-5	Aroclor 1232 (PCB)	ND		110	1.0
141-21-9	Aroclor 1242 (PCB)	ND		110	1.0
141-29-6	Aroclor 1248 (PCB)	ND		110	1.0
141-69-1	Aroclor 1254 (PCB)	ND		110	1.0
141-82-5	Aroclor 1260 (PCB)	44	J, T	110	1.0
141-23-5	Aroclor 1262 (PCB)	ND		110	1.0
141-14-4	Aroclor 1268 (PCB)	ND		110	1.0

not detected at the specified reporting limit.

not measured.

reference method for pesticides is 8081.

reference method for PCBs is 8082.



Analytical Laboratories, Inc.

Black Creek Road • Muskegon, MI 49444-2673 • Phone 231-773-5998 • Fax 231-773-6537 • E-Mail: TraceAnalytical@mad.scientist.com

Ben Matthews

DEQ

Project: #455190/N. Saginaw Street

Site ID: AG182-01

Sample ID: NS-S-A27A

Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	REPORTING			PREP		ANALYZED	METHOD	BATCH ID
	RESULTS	LIMITS	UNITS	DLM	DATE			
Arsenic	9500	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Barium	87000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Cadmium	410	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Chromium	11000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Copper	51000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Lead	340000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Mercury	210	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Selenium	1200	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Zinc	250000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - * - Re-run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

TRACE

2241 Black Creek Road • Muskegon, MI 49444-2673 • Phone 231-733-5998 • Fax 231-733-6537 • E-Mail: TraceAnalytics@mad.scientist.com
Analytical Laboratories, Inc.

Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

Trace ID: AG182-02

Sample ID: NS-S-B53A

% Solids: 100

Report Date: 08/24/00

Sample Received: 07/25/00

Sample Date: 07/21/00

Matrix: Soil

PARAMETER	REPORTING	RESULTS	LIMITS	UNITS	DATE	ANALYZED	METHOD	BATCH ID
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Total Arsenic	5600	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	51000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	380	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	14000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	21000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	140000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	110	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	900	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	103000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Addendum Quality Control - # - Return
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run - Results do not meet QC acceptance criteria, see narrative



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Ben Matthews

EQ

Plot: #455190/N. Saginaw Street

ID: AG182-03

File ID: NS-S-C46A

Plots: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

ELEMENT	REPORTING		UNITS	DLM	PREP		METHOD	BATCH ID
	RESULTS	LIMITS			DATE	ANALYZED		
Arsenic	2200	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Barium	47000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Cadmium	550	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Chromium	10000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Lead	230000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Manganese	420	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Zinc	190000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

TRACE

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Mr. Ben Matthews

MDEQ

Project: #455190/N-Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-04

Sample ID: NS-S-C46B

% Solids: 100

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	3700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	45000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	75	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	19000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	18000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	23500	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	110	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	880	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	62000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: All results are based on dry weight.

TRACE ID Sample Key: DUP - Duplicate MS - Matrix Spike MSB - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run - S - Quantified from a subsequent run - * - Results do not meet QC acceptance criteria, see narrative

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Mr. Ben Matthews

Project: #455190/N-Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-05

Sample ID: NS-S-D17A

% Solids: 100

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	5000	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	66000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	490	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	13000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	18000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	170000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	140	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	910	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	180000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: All results are based on dry weight.

TRACE ID Sample Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run - S - Quantified from a subsequent run - * - Results do not meet QC acceptance criteria, see narrative

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Project: #455190/N. Saginaw Street

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Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-06

Sample ID: NS-S-E47A

% Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID	PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	3500	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Arsenic	3700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	43000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Barium	44000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	130	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Cadmium	97	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	10000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Chromium	12000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	9800	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6010	MIC080803S
Total Lead	54000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Lead	13000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	450	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Selenium	500	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S	Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	40000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Zinc	42000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Subkey: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference OC - Additional Quality Control - # - Result Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet OC acceptance criteria, see narrative

NOTE: Soil results are based on dry weight.

TRACE ID Subkey: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference OC - Additional Quality Control - # - Result Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet OC acceptance criteria, see narrative

TRACE

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Mr. Ben Matthews

MDEQ

Project: #455190/N: Saginaw Street

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Mr. Ben Matthews

Project: #455190/N: Saginaw Street

Trace ID: AG182-08

Sample ID: NS-S-F99B

% Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	4700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	34000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	80	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	17000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	18000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	7300	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	680	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	41000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

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Trace ID: AG182-09

Sample ID: NS-S-G82A

% Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	5700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	25000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	110	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	13000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	14000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	6900	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	740	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	35000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

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TRACE

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Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

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Mr. Ben Matthews

Project: #455190/N. Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-10

Sample ID: NS-S-G92B

% Solids: 100

Trace ID: AG182-11

Sample ID: NS-S-H42A

% Solids: 100

PARAMETER	REPORTING		UNITS	DLM	PREP		METHOD	BATCH ID	ANALYST	REPORTING		UNITS	DLM	PREP		METHOD	BATCH ID
	RESULTS	LIMITS			DATE	ANALYZED				RESULTS	LIMITS			DATE	ANALYZED		
Total Arsenic	5700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	5700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	
Total Barium	23000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	23000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	
Total Cadmium	150	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	500	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	
Total Chromium	11000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	9000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	
Total Copper	13000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	17000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	
Total Lead	7000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	22000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	
Total Selenium	650	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	850	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S	
Total Zinc	33000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	79000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * Results do not meet QC acceptance criteria, see narrative

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analysis present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * Results do not meet QC acceptance criteria, see narrative

TRACE

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Mr. Ben Matthews

MDEQ

Project: #455180/N. Saginaw Street

Trace ID: AG182-12

Sample ID: NS-S-H42B

% Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

TRACE

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Mr. Ben Matthews

Project: #455180/N. Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID	PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	3800	100	ug/kg	1.0	08/08/00	08/22/00	EPA 8020	MIC080803S	Total Arsenic	7500	100	ug/kg	1.0	08/08/00	08/22/00	EPA 8020	MIC080803S
Total Barium	44000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S	Total Barium	63000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S
Total Cadmium	83	50	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S	Total Cadmium	870	50	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S
Total Chromium	13900	500	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S	Total Chromium	17000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S
Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S	Total Copper	32000	1000	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S
Total Lead	20000	1000	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S	Total Lead	290000	1000	ug/kg	1.0	08/08/00	08/18/00	EPA 8020	MIC080803S
Total Mercury	120	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	Total Mercury	150	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	750	200	ug/kg	1.0	08/08/00	08/22/00	EPA 8020	MIC080803S	Total Selenium	1300	200	ug/kg	1.0	08/08/00	08/22/00	EPA 8020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 8010	MIC080803S	Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 8010	MIC080803S
Total Zinc	62000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S	Total Zinc	380000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 8010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Smith Key: DUP - Duplicate; MS - Matrix Spike; MSD - Matrix Spike Duplicate; RPD - Relative Percent Difference; QC - Additional Quality Control; E - Blank; Qualifier Key: U - Compound not detected; J - Estimated value; B - Analyte present in blank; E - Exceeded the range of calibration; D - Quantified from a dilution; X - Quantified from a previous run; S - Quantified from a subsequent run; * - Results do not meet QC acceptance criteria, see narrative

NOTE: Soil results are based on dry weight.

TRACE ID Smith Key: DUP - Duplicate; MS - Matrix Spike; MSD - Matrix Spike Duplicate; RPD - Relative Percent Difference; QC - Additional Quality Control; E - Blank; Qualifier Key: U - Compound not detected; J - Estimated value; B - Analyte present in blank; E - Exceeded the range of calibration; D - Quantified from a dilution; X - Quantified from a previous run; S - Quantified from a subsequent run; * - Results do not meet QC acceptance criteria, see narrative

TRACE

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Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

TRACE

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Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-14

Sample ID: NS-S-143B

% Solids: 100

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID	PARAMETER	RESULTS	REPORTING LIMITS	UNITS	DLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	5500	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Arsenic	4500	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	30000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Barium	27000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	140	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Cadmium	98	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	12000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Chromium	12000	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	12000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	20000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Lead	5900	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	670	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Selenium	760	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S	Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	49000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Zinc	33000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control - # - Run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative

TRACE

Analytical Laboratories, Inc.

2241 Black Creek Road • Muskegon, MI 49444-2673 • Phone 231-773-5998 • Fax 231-773-6557 • E-Mail: Trace.Analytical@muskegonmi.com

Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

Matrix: Soil

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

Trace ID: AG182-16

Sample ID: NS-S-J93B

% Solids: 100

PARAMETER	RESULTS	REPORTING LIMITS	UNITS	CLM	PREP DATE	ANALYZED	METHOD	BATCH ID	PARAMETER	RESULTS	REPORTING LIMITS	UNITS	CLM	PREP DATE	ANALYZED	METHOD	BATCH ID
Total Arsenic	4700	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Arsenic	5200	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	1800	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Barium	2200	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	95	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Cadmium	130	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	2200	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Chromium	2200	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	7600	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S	Total Lead	6900	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S	Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	630	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S	Total Selenium	740	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S	Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	1900	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S	Total Zinc	2000	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control * - Result
Qualifier Key: U - Compound not detected, J - Estimated value, B - Analyte present in blank, E - Exceeded the range of calibration, D - Quantified from a dilution
X - Quantified from a previous run, S - Quantified from a subsequent run, * - Results do not meet QC acceptance criteria, see narrative

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control * - Result
Qualifier Key: U - Compound not detected, J - Estimated value, B - Analyte present in blank, E - Exceeded the range of calibration, D - Quantified from a dilution
X - Quantified from a previous run, S - Quantified from a subsequent run, * - Results do not meet QC acceptance criteria, see narrative



Analytical Laboratories, Inc.

2241 Black Creek Road • Muskegon, MI 49444-2673 • Phone 231-335-5998 • Fax 231-335-6537 • E-Mail: TraceAnalytical@mad.sciencenet.com

Mr. Ben Matthews

MDEQ

Project: #455190/N. Saginaw Street

Matrix: Soil

Trace ID: AG182-18

Sample ID: NS-S-K12B

% Solids: 100

Sample Date: 07/21/00

Sample Received: 07/25/00

Report Date: 08/24/00

PARAMETER	REPORTING			PREP			METHOD	BATCH ID
	RESULTS	LIMITS	UNITS	DLM	DATE	ANALYZED		
Total Arsenic	5200	100	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Barium	U	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Cadmium	120	50	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Chromium	1600	500	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S
Total Copper	11000	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Lead	8100	1000	ug/kg	1.0	08/08/00	08/16/00	EPA 6020	MIC080803S
Total Mercury	U	100	ug/kg	1.0	08/08/00	08/11/00	EPA 7471	MIC080803S
Total Selenium	680	200	ug/kg	1.0	08/08/00	08/22/00	EPA 6020	MIC080803S
Total Silver	U	500	ug/kg	1.0	08/08/00	08/17/00	EPA 6010	MIC080803S
Total Zinc	1700	1000	ug/kg	1.0	08/08/00	08/23/00	EPA 6010	MIC080803S

NOTE: Soil results are based on dry weight.

TRACE ID Suffix Key: DUP - Duplicate MS - Matrix Spike MSD - Matrix Spike Duplicate RPD - Relative Percent Difference QC - Additional Quality Control -# - Re-run
Qualifier Key: U - Compound not detected J - Estimated value B - Analyte present in blank E - Exceeded the range of calibration D - Quantified from a dilution
X - Quantified from a previous run S - Quantified from a subsequent run * - Results do not meet QC acceptance criteria, see narrative



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL LABORATORY (517) 335-9800

P.O. Box 30270
Lansing, MI 48909

To: Environmental Response Div.

Lab Work Order # 0007201

38980 7 Mile Road

Work Site ID: WIDE TRACK/N. SAGINAW, PONTIA

Livonia, MI 48152

Matrix: Water

Received: 7/25/2000

Reported: 10/5/2000

Attn: BEN MATHEWS

Client: ER SE

Number of Samples: 4

Total: \$2,183.92

UNITS	NS-W-A27	NS-W-B53	NS-W-D17	NS-W-E47
Arsenic by Furnace - Dissolved ug/l (Diss)	2.3	5.1	3.5	1.6
Barium - Dissolved ug/l (Diss)	99	107	125	92
Bromine by Furnace - Dissolved ug/l (Diss)	K 0.2	K 0.2	K 0.2	K 0.2
Bromine by Furnace - Dissolved ug/l (Diss)	K 1.0	K 1.0	K 1.0	K 1.0
Copper by Furnace - Dissolved ug/l (Diss)	1.6	2.5	K 1.0	1.6
Lead by Furnace - Dissolved ug/l (Diss)	1.3	K 1.0	K 1.0	K 1.0
Mercury - Dissolved ug/l (Diss)	K 2 HT	K 2 HT	K 2 HT	K 2 HT
Nickel by Furnace - Dissolved ug/l (Diss)	16	14	19	8.7
Selenium - Dissolved ug/l (Diss)	K 5.0 DM	K 5.0 DM	K 5.0 DM	K 5.0 DM
Silver by Furnace - Dissolved ug/l (Diss)	K 0.5	K 0.5	K 0.5	K 0.5
Zinc - Dissolved ug/l (Diss)	525 DL	386 DL	112	K 10

This is an original report: 56

Date: _____

Environmental Response Division

Documentation for Site Delisting

Printed under the authority of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451).

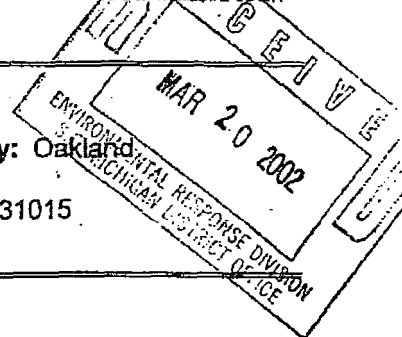


Site Name: Wide Track Drive at Saginaw Street

Site County: Oakland

Site Address: Wide Track Drive, E. of Saginaw St.
Pontiac, Michigan

Site ID#: 631015



Site Location and Description

Approximately 1 1/2 acre vacant lot on the northwest corner of Wide Track Drive and North Saginaw St. The area consists of commercial development to the west and south (across Wide Track), and residential property north and east.

Site History

The majority of this property (Lots 5, 6, 7 and 8) were acquired by the City by warranty deed in 1979. Lot 4 was acquired by State Treasurers Deed in 1992.

Site Status:

Based on the platting and the surrounding area, it seems likely that this vacant lot has been used for residential housing. However, there is no definitive information on the site history or possible contamination. The property is vacant and grass covered. There are some exposed concrete foundation remnants. The site location is near downtown Pontiac, with commercial development the most likely option.

Investigation:

The site investigation consisted of ten geoprobe locations. Four of these encountered perched groundwater at approximately four feet below ground surface. Based on clayey subsurface soils, the shallow nature of the groundwater, and an underlying layer of unsaturated clay-rich soil, the field geologist determined this to be a perched water zone.

Sampling consisted of sixteen soil samples and groundwater sampling from the four borings with groundwater present. Soils were field screened with a PID. No PID readings above background were noted for any samples. No visible signs of contamination were found. Most samples for organics were non-detect, and all were below applicable residential criteria. Arsenic was present in one sample at 9.5 ppm, above the residential direct contact criteria of 7.6 ppm. Since there was no evidence for localized contamination or a 'hot spot', the arsenic data was analyzed to determine the 95% Upper Confidence Limit (UCL). This was determined to be 5.95 ppm, below applicable residential criteria.

delete this property from the database as soon as possible

Prepared by:

Benjamin Maltman
Project Manager

3/13/02
Date

Charles L. Wilson (acting)
District Supervisor

3/13/02
Date

Approved by:

P. Schupp
Field Operations Supervisor
(for ERD District sites only)

3/13/02
Date

Approved by:

Dan Schuff for
ERD Assistant Division Chief

3/13/02
Date

Attach an updated Site Summary

This investigation did not find any evidence that this property is a facility. There is no other information available to indicate contamination is or was ever present. It is appropriate to delete this property from the 201 database as a site of contamination.

Prepared by: _____


Project Manager _____

Date _____

District Supervisor _____

Date _____

Approved by:


Field Operations Supervisor
(for ERD District sites only)

3/13/02
Date

Approved by:


ERD Assistant Division Chief

3/13/02
Date

Attach an updated Site Summary

SITE SUMMARY

Site Name

Wide Track Drive at N. Saginaw St., Vacant Lot
Wide Track Drive East of N. Saginaw
Pontiac, Michigan

County: Oakland

MDEQ District: SEMICH

Site ID#: 631015

MAIN Project#: 455190

Site Score: n/a

LOCATION

Approximately 1 1/2 acre vacant lot on the northwest corner of Wide Track Drive and North Saginaw St. The area consists of commercial development to the west and south (across Wide Track), and residential property north and east.

SITE HISTORY

The majority of this property (Lots 5, 6, 7 and 8 were acquired by the City by warranty deed in 1979. Lot 4 was acquired by State Treasurers Deed in 1992.

SITE STATUS

Based on the platting and the surrounding area, it seems likely that this vacant lot has been used for residential housing. However, there is no definitive information on the site history or possible contamination. The property is vacant and grass covered. There are some exposed concrete foundation remnants. The site location is near downtown Pontiac, with commercial development the most likely option.

ENFORCEMENT STATUS

No enforcement actions taken at this site.

RESPONSE ACCOMPLISHMENTS

EXPENDITURES

REMEDIAL INVESTIGATION/FEASIBILITY STUDY

\$20,000.

Action proposed is for a limited soil investigation. Based on the site's size, location, history and lack of observable contamination, a groundwater study is not recommended. Proposed budget is \$20,000. Fieldwork was completed in the fall of 2000. There is no indication of significant contamination to warrant further investigation. The revised final report has been submitted to complete the project.

FUTURE RESPONSE NEEDS

PROJECTED COST

No further actions anticipated at this time.

FUNDING HISTORY

General Fund Authorizations			Bond Fund Appropriations						
YEAR	ACTION	AMOUNT	YEAR	ACTION	AMOUNT	ACTION	AMOUNT	ACTION	AMOUNT
			2000	RI	\$20,000				

Note As of October 1995, the cleanup program responsibilities were transferred from the Michigan Department of Natural Resources (MDNR) to the Michigan Department of Environmental Quality (MDEQ). As of April 1996, the functions performed by the Michigan Department of Public Health (MDPH) for water

April 1, 2002

Mr. Ben Mathews
Michigan Department of Environmental Quality
Environmental Response Division
Southeast Michigan District
38980 Seven Mile Road
Livonia, MI 48152

FILE _____
COUNTY _____

RE: Project Closeout
Vacant Lot at Widetrack Drive and North Saginaw Street
Pontiac, Michigan
MDEQ Facility ID No. 631015
DLZ Project No.: 9941-5495-07

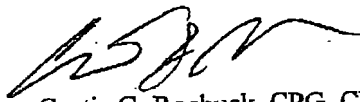
Dear Mr. Mathews:

DLZ Michigan, Inc. is requesting the above referenced project site be closed. All site investigation has been completed in accordance with the approved scope of work and all project management subcontractors have been paid in full. Attached is a letter from the trade contractor, Altech Environmental Services, Inc., indicating payment for services rendered. Also included are a final balancing Contract Modification, and Change Orders that are also being submitted to Mr. Gary Simons, MDEQ in Lansing, Michigan.

If you have any questions or need additional information, please contact our office.

Very truly yours,

DLZ MICHIGAN, INC.


Curtis G. Roebuck, CPG, CP
Environmental Division Manager

CGR/MTP/rp

Attachments

M:\PROJ\9941\5495\07\Corresp\ClosoutLetterBM.doc

SITE SUMMARY

Site Name Wide Track Drive at N. Saginaw St., Vacant Lot
Wide Track Drive East of N. Saginaw
Pontiac, Michigan
County Oakland
MDEQ District SEMICH
Site ID# 631015
MAIN Project# 455190
Site Score n/a

LOCATION

Approximately 1 1/2 acre vacant lot on the northwest corner of Wide Track Drive and North Saginaw St. The area consists of commercial development to the west and south (across Wide Track); and residential property north and east.

SITE HISTORY

The majority of this property (Lots 5, 6, 7 and 8 were acquired by the City by warranty deed in 1979. Lot 4 was acquired by State Treasurers Deed in 1992.

SITE STATUS

Based on the platting and the surrounding area, it seems likely that this vacant lot has been used for residential housing. However, there is no definitive information on the site history or possible contamination. The property is vacant and grass covered. There are some exposed concrete foundation remnants. The site location is near downtown Pontiac, with commercial development the most likely option.

ENFORCEMENT STATUS

No enforcement actions taken at this site.

RESPONSE ACCOMPLISHMENTS

EXPENDITURES

REMEDIAL INVESTIGATION/FEASIBILITY STUDY

\$20,000.

Action proposed is for a phase I site history, and for a limited soil investigation. Based on the site's size, location, and lack of observable contamination, a groundwater study is not recommended. Proposed budget is \$20,000. Fieldwork to begin fall 2000.

FUTURE RESPONSE NEEDS

PROJECTED COST

No further actions anticipated at this time.

FUNDING HISTORY

General Fund Authorizations			Bond Fund Appropriations						
YEAR	ACTION	AMOUNT	YEAR	ACTION	AMOUNT	ACTION	AMOUNT	ACTION	AMOUNT
			2000	RI	\$20,000				

Note As of October 1995, the cleanup program responsibilities were transferred from the Michigan Department of Natural Resources (MDNR) to the Michigan Department of Environmental Quality (MDEQ). As of April 1996, the functions performed by the Michigan Department of Public Health (MDPH) for water supplies were transferred to the Drinking Water and Radiological Protection Division (DWRPD) of the MDEQ.

April 8, 2002

TO: Thomas Kane, Director, Architectural and Engineering Services Division
Department of Management and Budget

FROM: Gary Simons, Chief, Contract Procurement and Design/O&M Unit
Environmental Response Division

SUBJECT: DLZ's Project Management Contract
DMB File No. 761/97295.AGY; Contract Numbers Y90257 & Y90406
Widetrack Drive and North Saginaw Street; Site ID No. 63001015

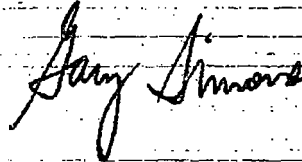
Please process the attached modification and change order requests to DLZ's project management services contract, file number 761/97295.AGY. Please note this closes out the project from this contract. Environmental Response Division staff have reviewed and accepted the following request:

Site ID	Mod. Or CCO	Management Y90257	Reimbursables Y90257	Trades Y90406
63001015	Mod #58	(\$26.60)	N/A	(\$3,219.00)
	TOTAL:	(\$26.60)	N/A	(\$3,219.00)
63001015	CO #52	(\$26.60)	N/A	N/A
63001015	CO #93	N/A	N/A	\$0.00
	TOTAL:	(\$26.60)	N/A	\$0.00

If you have any questions, please contact me at 517-373-2811.

Attachment

cc: Mike Peters, DLZ w/o attachment
Ben Mathews, ERD w/o attachment
Kathy Crawley/Dave Wahl, ERD w/attachment
File



AY INDEX PCA AOBJ PROJECT/PHASE

FUNDING VERIFIED AND APPROVED BY MDEQ, ERD, ADMINISTRATION SECTION

RECEIVED ERD S.E. MICH.

APR 11 2002

CONSTITUTION HALL • 525 WEST ALLEGAN STREET • P.O. BOX 30473 • LANSING, MICHIGAN 48909-7973
www.michigan.gov • (800) 662-9278

FILE
COUNTY

APPENDIX I



Department of Health & Human Services

L. BROOKS PATTERSON, OAKLAND COUNTY EXECUTIVE

Kathleen Forzley, RS, MPA, Manager
HEALTH DIVISION

oakgov.com/health

April 16, 2012

ANTHONY SPENCER
ASTI ENVIRONMENTAL
P O BOX 2160
BRIGHTON MI 48116

RE: FOIA REQUEST N SAGINAW AND WOODWARD PONTIAC, OAKLAND COUNTY, MI
PARCEL #: 64-14-29-276-037

Dear Mr. Spencer:

Your request is approved in part and denied in part. Per your request and a review of our records, the Oakland County Health Division (OCHD) has no information regarding on-site sewage disposal permits, water well logs, or water well permits for the captioned property.

At this time OCHD is not conducting ongoing monitoring of any groundwater pollutants for the captioned property, nor are there files for historical monitoring on this site. This Division does not maintain files for LUSTs, ASTs or USTs for this site. There are no known landfills on this property.

Your request for information regarding "...etc..." is denied for the reason that it fails to meet conditions of MCL 15.233(1) of the Freedom of Information Act, Act 442 of 1976 (FOIA), in that it does not describe a public record sufficiently to enable the public body to find the public record.

If you wish to modify your request by providing a complete list of specific concerns and properties, with date ranges for the information you desire, OCHD will provide available information in compliance with the FOIA.

It is recommended that you contact the Michigan Department of Environmental Quality as that agency has regulatory authority over certain environmental pollutants and monitoring activities. Similarly, it is advised that you contact the local water supply and sewer agencies as they may have authority over certain aspects of the captioned property. If you have any questions, please contact this Division at (248) 858-1312.

YOUR FURTHER LEGAL RIGHTS

To the extent that this response, in your opinion, constitutes a denial of your FOIA rights under the Michigan Freedom of Information Act, your statutory remedies under MCL 15.240, as required to be provided to you by the statute, are as follows:

MCL 15.240

- (1) If a public body makes a final determination to deny all or a portion of a request, the requesting person may do 1 of the following at his or her option:

a:\ehs\14-29-276-037.doc foia

NORTH OAKLAND HEALTH CENTER
1200 NORTH TELEGRAPH ROAD
PONTIAC MICHIGAN 48341-0432
General Information 248-858-1280

SOUTH OAKLAND HEALTH CENTER
27725 GREENFIELD ROAD
SOUTHFIELD MICHIGAN 48076-3663
General Information 248-424-7000

- (a) Submit to L. Brooks Patterson, Oakland County Executive, a written appeal that specifically states the word "appeal" and identifies the reason or reasons for reversal of the denial.
 - (b) Commence an action in the circuit court to compel the public body's disclosure of the public records within 180 days after a public body's final determination to deny the request.
- (2) Within 10 days after receiving a written appeal pursuant to subsection (1)(a), the head of the public body shall do one of the following:
 - (a) Reverse the disclosure denial.
 - (b) Issue a written notice to the requesting person upholding the disclosure denial.
 - (c) Reverse the disclosure denial in part and issue a written notice to the requesting person upholding the disclosure denial in part.
 - (d) Under unusual circumstances, issue a notice extending for not more than 10 business days the period during which the head of the public body shall respond to the written appeal. The head of the public body shall not issue more than one notice of extension for a particular written appeal.
- (3) A board or commission that is the head of a public body is not considered to have received a written appeal under subsection (2) until the first regularly scheduled meeting of that board or commission following submission of the written appeal under subsection (1)(a). If the head of the public body fails to respond to a written appeal pursuant to subsection (2), or if the head of the public body upholds all or a portion of the disclosure denial that is the subject of the written appeal, the requesting person may seek judicial review of the nondisclosure by commencing an action in the circuit court under subsection (1)(b).
- (4) In an action commenced under subsection (1)(b), a court that determines a public record is not exempt from disclosure shall order the public body to cease withholding or to produce all or a portion of a public record wrongfully withheld, regardless of the location of the public record. The circuit court of the county in which the complainant resides or has his or her principal place of business, or the circuit court for the county in which the public record or an office of the public body is located has venue over the action. The court shall determine the matter de novo and the burden is on the public body to sustain its denial. The court, on its own motion, may view the public record in controversy in private before reaching a decision. Failure to comply with an order of the court may be punished as contempt of court.
- (5) An action commenced under this section and appeal from an action commenced under this section shall be assigned for hearing and trial or for argument at the earliest practicable date and expedited in every way.
- (6) If a person asserting the right to inspect, copy, or to receive a copy of all or a portion of a public record prevails in an action commenced under to this section, the court shall award reasonable attorneys' fees, costs, and disbursements. If the person or the public body prevails in part, the court may, in its discretion, award all or an appropriate portion of reasonable attorneys' fees, costs, and disbursements. The award shall be assessed against the public body liable for damages under subsection.
- (7) If the circuit court determines in an action commenced under this section that the public body has arbitrarily and capriciously violated this act by refusal or delay in disclosing or

providing copies of a public record, the court shall award, in addition to any actual or compensatory damages, punitive damages in the amount of \$500.00 to the person seeking the right to inspect or receive a copy of a public record. The damages shall not be assessed against an individual, but shall be assessed against the next succeeding public body, that is not an individual and that kept or maintained the public record as a part of its public function.

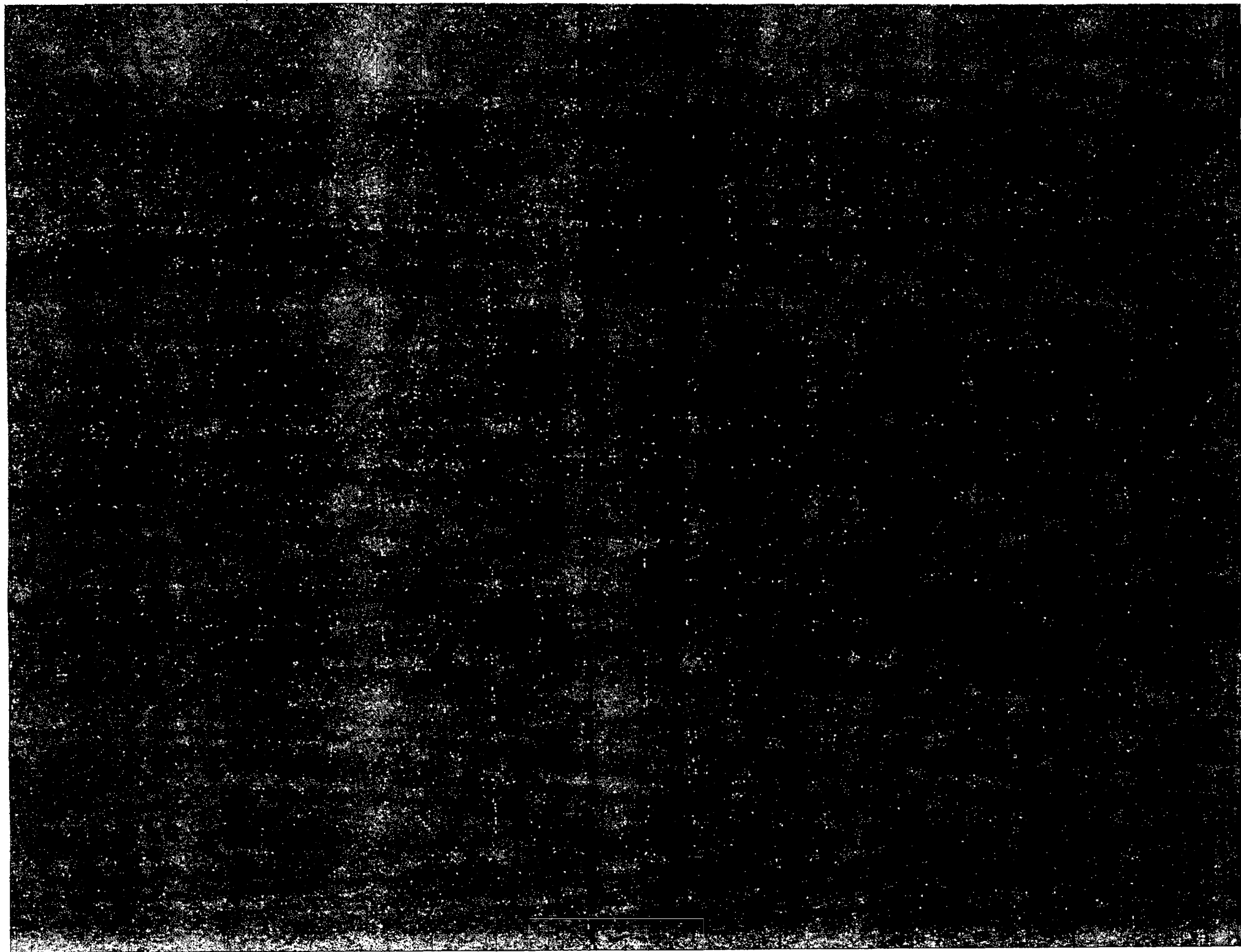
Sincerely,

OAKLAND COUNTY HEALTH DIVISION
Department of Health and Human Services

Richard C. Peresky, R.E.H.S., M.S.

Richard C. Peresky, R.E.H.S., M.S.
Senior Public Health Sanitarian
Environmental Health Services

cc: Anthony Drautz, R.S., M.S.A., Administrator, Environmental Health Services



Anthony Spencer

From: Garland Doyle [GDoyle@pontiac.mi.us]
Sent: Wednesday, April 18, 2012 9:46 AM
To: Anthony Spencer
Cc: Joseph Sobota
Subject: City of Pontiac Response to FOIA Request

City of Pontiac, FOIA Coordinator

**47450 Woodward Avenue
Pontiac, Michigan 48342
(248) 758-3133**

April 17, 2012

Anthony Spencer
ASTI Environmental
10448 Citation Dr., Ste. 100
Brighton, MI 48116

Dear Mr. Spencer:

Please be advised that we have received and reviewed your recent FOIA request which was received by the City of Pontiac on April 11, 2012. Because the City of Pontiac Fire Department no longer exists, you will need to contact the Waterford Township Fire Department for Pontiac fire records.

Your request is granted in part with respect to the following documents:

- Building Department file for parcel 14-29-276-037.

Please contact Garland Doyle at (248) 758-3030 to schedule a time to review the Building Department file.

In the event that you are not satisfied with this response, I want to advise you of your rights. You have the right to submit a written appeal to the Emergency Manager that specifically states the word "appeal" and identifies the reason or reasons for reversal of this denial by myself.

In addition, you may also seek judicial review of this denial pursuant to MCL 15.240. If you seek judicial review and the Court determines that the public records are not exempt from disclosure, you have the right to receive attorney fees and damages in an amount not to exceed \$500.

Sincerely,

Joseph M. Sobota, M.P.A.
FOIA Coordinator

This message (including any attachments) is intended only for the use of the individual or entity to which it is addressed and may contain information that is non-public, proprietary, privileged, confidential, and exempt from disclosure under applicable law or may constitute as attorney work product. If you are not the intended recipient, you are hereby notified

Anthony Spencer

From: Beedle, Diane [DBeedle@twp.waterford.mi.us]
Sent: Friday, April 13, 2012 10:34 AM
To: Anthony Spencer
Subject: FOIA Request

Dear Anthony,

I am responding to your FOIA request #12-025. I wanted to inform you that the Waterford Township Fire Department Fire Marshall Division does not have any information to provide regarding your FOIA request for the vacant land parcel number #14-29-276-037 that has no address assigned to it.

Sincerely,

*Diane Beedle
Waterford Fire Department
248-618-7560*

REMEDATION DIVISION PERFECTED LIEN LIST

The Department of Environmental Quality (DEQ), Remediation Division has perfected liens on property pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 *et seq.*

The following is a current listing of liens perfected by the Remediation Division on property as of the date that appears on this list. The list will be updated only when the Remediation Division has perfected a new lien on a property, or has released a lien from a property. A new date will then appear on the list. *This list does not include any lien(s) that may have been perfected by another DEQ Division or other entity.* For lien information related to the Resource Management Division or the Office of Oil, Gas & Minerals, please call 517-373-4750 or 517-335-6766 respectively.

The information provided herein cannot be construed or interpreted as legal verification that a perfected lien does not exist on a particular property, or that a lien is the only perfected lien on a property. To obtain legal verification, you must access official records from the appropriate County Register of Deeds and/or the Michigan Secretary of State when applicable.

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town Range	Tax Code
Alcona		Harrisville	216 S. US23			13	T26N R9E	
Alpena		Alpena	4709 Long Rapids Rd.	Lake Winyah Shores Sub	Lot 43			
Antrim		Riverview	6235 Crystal Springs Rd.	Supervisor's Plat of Riverview	Lot 1			
Antrim	Milton	Rapid City	12929 Cherry Ave.	Plat of New Highlands	Lot 14			
Arenac		Standish	105 N. Main	Assessor's Plat 5	Lot 370			40-2-500-000-370-00
Baraga	L'anse	L'anse	Winter St.			9	T50N R33W	
Bay		Bay City	1113 Center Ave.	James Fraser's First Addition	Lots 4&5, Blk 3			
Benzie		Lake Ann Vlg	P.O. Box 62 1st St.		Lots 7 & 9, Blk 28			
Berrien		Watervliet				2	T3S R17W	11-21-0002-0015-01-0
Berrien		Watervliet				2	T3S R17W	11-21-0023-0014-01-6
Berrien		Watervliet	106 E. St. Joseph St.	Sutherland's Addition	Lot 1, exceptions			
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	
Branch	Algansee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Branch	Algansee	Quincy	144/146 Crocket Drive	Woodland plat	Lot 2,3 & land	5	T7S R5W	
Branch	Butler		1031 Clarendon Rd., Quincy, Michigan			15	T5S R5W	

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N	R8W	13-04-360-058-W
Calhoun	Bedford	Battle Creek		Facility ID 00005228	66, 67, + land	29	T1N	R8W	13-04-360-058-W
Calhoun	Marengo	Marshall	1035 East Michigan Ave.			19	T2S	R5W	
Calhoun		Battle Creek				4	T2S	R8W	13-54-004-048-00
Cass		Dowagiac	111 North Front St.	Patrick Hamilton's Add	Lot 12				
Cheboygan		Cheboygan		J M Pennell's First Add to city	Lot 13, Blk 8				
Cheboygan		Cheboygan				29	T38N	R1W	16-053-029-303-002-00
Chippewa		Dafer	9976 Soo Line Rd.			21	T46N	R1W	
Chippewa	Kinross	Kincheloe				19,20, 29,30	T46N	R1W	008-019-005-00
Delta	Masonville	Rapid River	US2	H.W. Cole's Second Add	Lots 7,8 Blk 11	29	T41N	R21W	21-012-341-007-00 & 21-012-179-021-00 & 21-012-179-020-00
Eaton		Grand Ledge	105 E. Saginaw Hwy	Supervisors Plat #2	Pt of Lot 179				23-400-078-001-790- 00 & 791-00 & 791-01
Genesee		Flint	3402 Martin Luther King		Lots 544, 545, & 546				
Genesee	Genesee					33	T8N	R7E	R-1006-22
Genesee	Genesee					33	T8N	R7E	R-1006-22
Genesee		Flushing	90 E. Main St.	Assessor's Plat #5	Pt of Lot 98,				
Genesee		Flint	3402 Martin Luther King or 121 E. Pasadena		Lots 548 & 549				
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Genesee		Flint	603 Pingree Ave	Elm Park Sub	Lots 187-195, 196, 230				11-17-352-0187-87
Genesee		Burton	5516 Davison Rd			11	T7N	R7E	59-11-200-006
Genesee		Flint				19	T7N	R7E	41-19-454-014
Gladwin		Gladwin	420 E. M-61	Woodland Terrace Annex	1,2,3&4 Blk 18	9	T18N	R1E	
Grand Traverse	Blair					7	T26N	R11W	

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Grand Traverse		Traverse City			Gov Lot 3.	2	T27N	R11W	28051-102-006-00
Hillsdale	Scipio		Mosherville Rd.			10	T5S	R3W	30-02-010-100-011
Ingham		Lansing	300 North St.	Turner & Smith's Sub of Lot 6 of Townsend Sub.	Lots 1,2, & Pt. 3 of Lot 6				
Isabella		Mt. Pleasant	226 S. Main St.		Lot 1 & Pt 2, Blk 25				
Kalamazoo		Kalamazoo	8011 West D. Ave			21	T1S	R12W	
Kalamazoo	Wakeshma	Fulton	13995 East W Ave.			16	T4S	R9W	16-16-490-190
Kalamazoo	Alamo					26	T1S	R12W	01-26-251-019
Kalamazoo		Portage	9008 Portage Rd.	Ames West Lake Pk.	Lots 58,59,60				
Kalamazoo		Kalamazoo	3501 South Burdick St.	Supv Plat of Henry Johnson Plat	Lot A				
Kalamazoo		Vlg. of Vicksburg		Wolverton's Revised Addition		18	T4S	R10W	39-15-18-100-018
Kalkaska	Kalkaska					29	T27N	R7W	
Kalkaska	Kalkaska					29	T27N	R7W	
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Kent	Courtland	Rockford	8413 Meyers Lake Rd.			33	T9N	R10W	
Kent		Grand Rapids			6,7,8,4,5 + add parcel				41-14-19-330-017
Kent		Vlg of Sparta	112 N. State St.		Pt of Lot 34, Blk 1	14	T9N	R12W	
Kent		Grand Rapids	2555 Oak Industrial Drive			22	T7N	R11W	
Kent		Wyoming	2539 28th St, SW			9	T6N	R12W	41-17-09-451-013
Lake	Pleasant Plains		M-37	Pere Marquette Plat	107,108,78,79	22	T17N	R13W	43-17N-13W-22BD
Lake	Pleasant Plains		M-37	Pere Marquette Plat	Lot 2052,53,80-83,103-106	22	T17N	R13W	
Lake	Pleasant Plains		M-37	Pere Marquette Plat	part of 20,21	22	T17N	R13W	
Livingston	Pulnam					27	T1N	R4E	14-27-400-002 30147080

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Livingston		Fowlerville	306 E. Grand River	Fowler's First Add	Lot 39 Blk 2				05-11-302-014
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston		Brighton		Smith & McPherson Addition	219,220,221	30	T2N	R6E	18-30-300-017
Livingston	Hamburg		10776 Hall Rd			25	T1N	R5E	47-15-25-400-014
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Macomb	Warren			Lot 33 & 13				13-19-353-004
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-401-003
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Chesterfield					PC 192	T3N	R14E	09-21-251-002
Macomb	Shelby				#63,64				07-18-401-005,50-07-593-063-00; 07-18-401-004, 50-07-593-064-00
Montcalm	Bloomer					12	T9N	R5W	59-051-700-040-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montcalm	Bloomer					12	T9N	R5W	59-002-012-005-00
Montcalm	Reynolds	Howard City				35	T12N	R10W	59-017-900-083-00 or 092-00
Montmorency		Allanta Vlg	103 State St. Box 615		Lots 5 thru 11, Blk 7				
Oakland		Millford	City of Millford			10,11	T2N	R7E	16-10-228-003
Oakland	Groveland					12	T5N	R8E	02-12-276-006
Oakland	Farmington	Farmington Hills	29024 Grand River	Richland State Sub. Resub of Richland's Gardens Sub	Lots 45-51	36	T1N	R9E	23-36-304-022
Oakland	West Bloomfield	West Bloomfield	7055 Cooley Lake Rd.,	Dewey Beach Sub	Lots 371-374, Pt 375-378				18-06-229-033

County	Township	City/Vlg	Address	Other Description	Lot No	Section	Town	Range	Tax Code
Oakland		Rochester Hills				24	T3N	R11E	15-24-326-008
Oakland	Waterford		Whitfield Estates		Lot 310				13-08-153-001
Ogemaw	Hill	Lupton	3610 Forest Dr.	Shady Shores Park sub of Gov't Lot 283	Pt Lot 1 Blk A, Pt. of Lot 8	8	T23N	R4E	
Osceola	Highland	Marion	18814 M-115			35	T20N	R8W	
Osceola		Ewart	202 E. Seventh		479				
Ottawa	Tallmadge				Gov't 4	12	T6N	R13W	70-14-12-400-003
Ottawa	Crockery	Vlg of Nunica		Adsl't's Add	Lot 3, Blk 3	15	T8N	R15W	70-04-15-430-018 70-04-14-320-002
Ottawa		Grand Haven		Rycenga's Plat 3	197	21	T8N	R16W	70-03-21-415-018
Saginaw	Tittabawassee	Freeland	160 N. Main			16	T13N	R3E	
Saginaw		Chesaning	625 E. Broad St.		Pt of Lot 5, Blk 15	16	T9N	R3E	
Shlawassee		Laingsburg		Week's Add	Lot 1, Blk 3				78-022-42-003-001
Shlawassee		Laingsburg		Week's Add	Lot 1, Blk 3				78-022-42-003-001
Shlawassee		Owosso	1509 W. Oliver St., City of Owosso			14	T7N	R2E	50-537-000-048-00
Shlawassee		Owosso	210-300 E Monroe St.	A L Williams Second Addition	Blk 1 = 9,10,11; Blk 2 = 1-13 AL Williams Second Add	24	R2E	T7N	78-010-652-001-004
Shlawassee	Shlawassee					26	T6N	R3E	
Shlawassee	Shlawassee					26	T6N	R3E	
Shlawassee		Owosso	1725 Corunna Ave.	A V Johnson's Add	Lots 4,5,11, 12,13 Blk 8				
St. Clair	Clay		3601 Railtray Lane		Lots 1 & 3				74-14-618-0049-000
Tuscola	Wisner	Falgrove	9006 Bay City Forestville Rd.		Parcel B	29	T14N	R7E	10-01-0004-790-06
Van Buren		Vlg of Paw Paw				13	T3S	R14W	
Van Buren		Vlg of Paw Paw				13	T3S	R14W	
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0001-000

<i>County</i>	<i>Township</i>	<i>City/Vlg</i>	<i>Address</i>	<i>Other Description</i>	<i>Lot No</i>	<i>Section</i>	<i>Town</i>	<i>Range</i>	<i>Tax Code</i>
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0004-000
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0002-000
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0002-000
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0008-000
Wayne	Brownstown	Flat Rock				28	T4S	R10E	58-081-99-0001-000
Wayne		Detroit	4445 Lawton aka 4450 Lawton	Plat of RR Concessions, PC 729	41-58, Out Lot 8,				
Wayne		Detroit 48227	14000 Fenkell	Davy's Fenkell Ave Sub	Lots 33-36				
Wayne		Woodhaven				28	T4S	R10E	59-080-99-0008-000
Wexford		Cadillac		Outlot 6 Cummer & Hayes Add.	Outlot 6				10-056-00-026-00
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100
Wexford		Cadillac		Improvement Board's Add to City of Cadillac	Blk 152,153,154;part 156,157,155	32	T22N	R9W	100680000100

APPENDIX J

Vacant Parcel

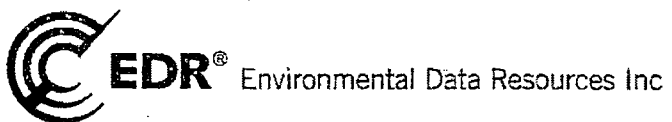
Vacant Parcel

Pontiac, MI 48342

Inquiry Number: 3299834.4

April 13, 2012

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography April 13, 2012

Target Property:

Vacant Parcel

Pontiac, MI 48342

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1957	Aerial Photograph. Scale: 1"=500'	Flight Year: 1957	CSS
1961	Aerial Photograph. Scale: 1"=500'	Flight Year: 1961	Detroit Edison
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	Detroit Edison
1972	Aerial Photograph. Scale: 1"=600'	Flight Year: 1972	ASCS
1980	Aerial Photograph. Scale: 1"=500'	Flight Year: 1980	SEMCOG
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1999	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1999	EDR
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR

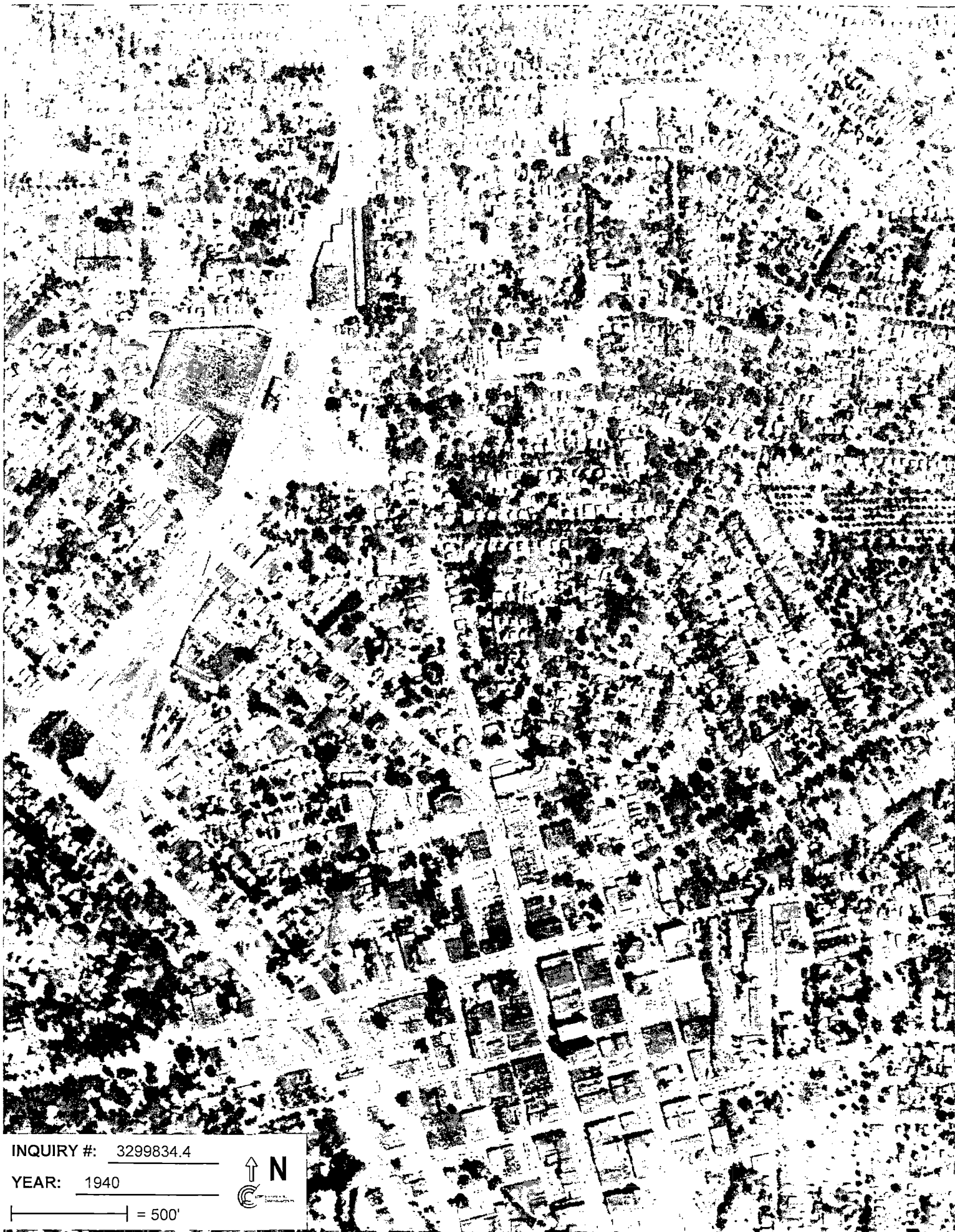


INQUIRY #: 3299834.4

YEAR: 1937

| = 500'



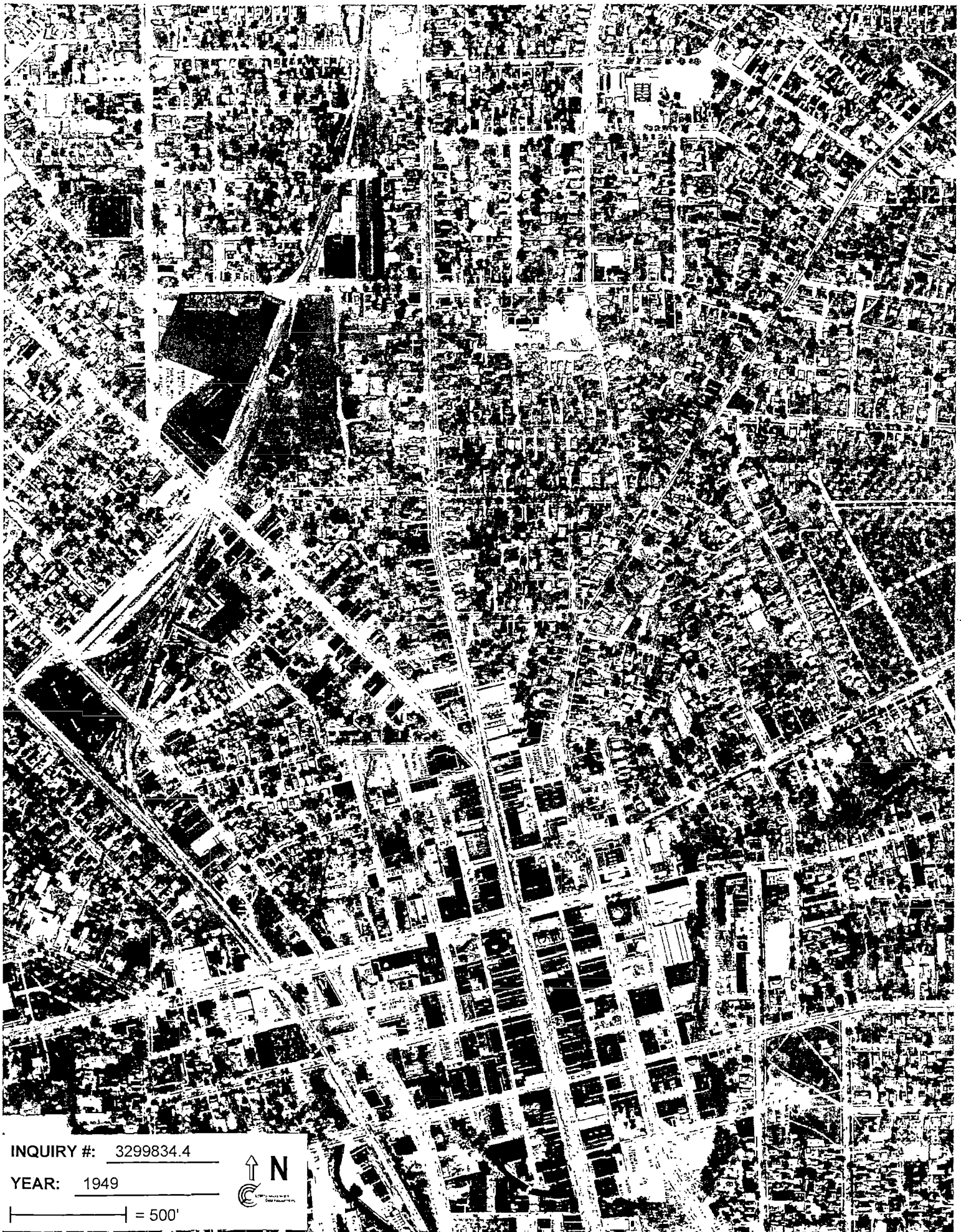


INQUIRY #: 3299834.4

YEAR: 1940

| = 500'



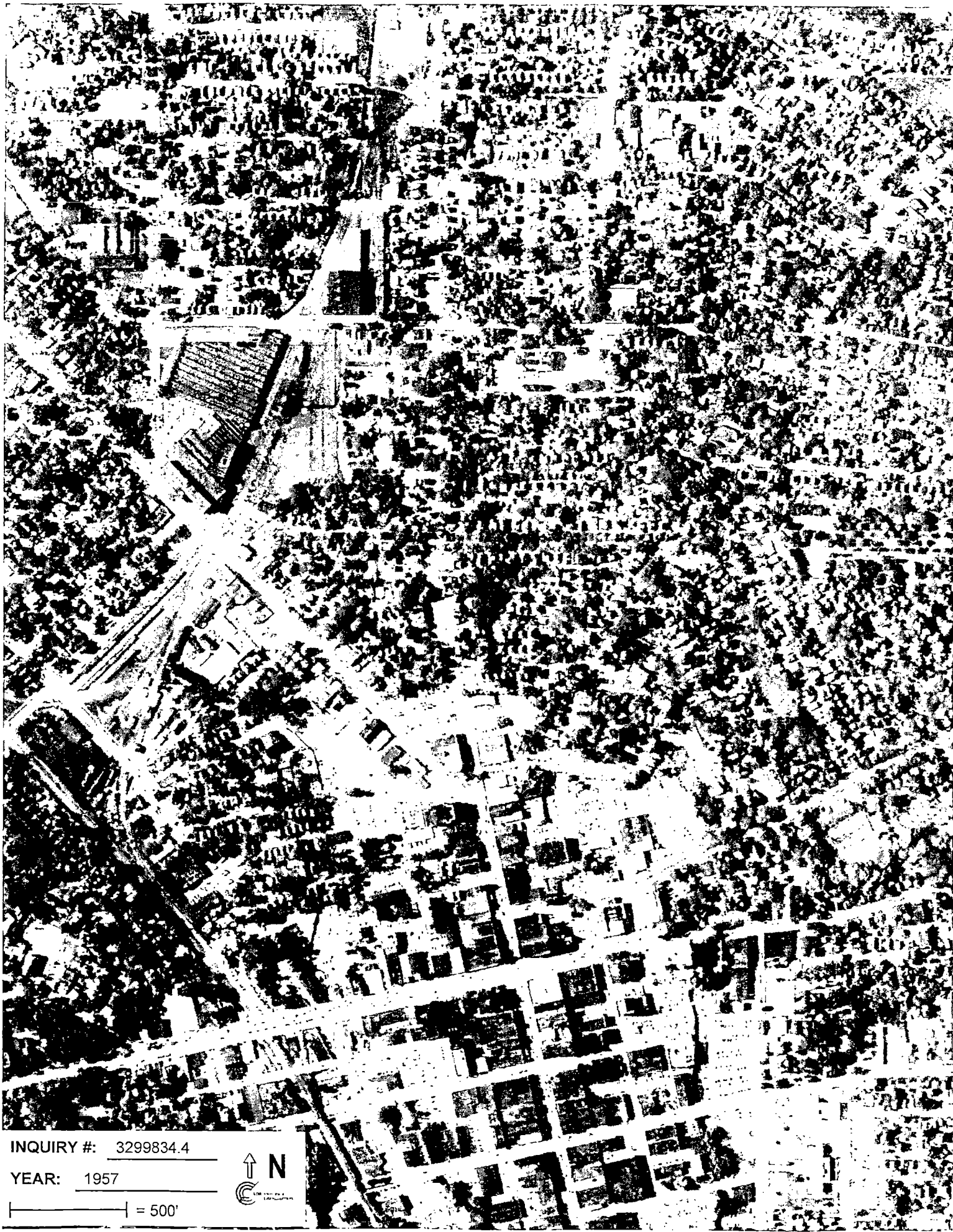


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YEAR: 1949

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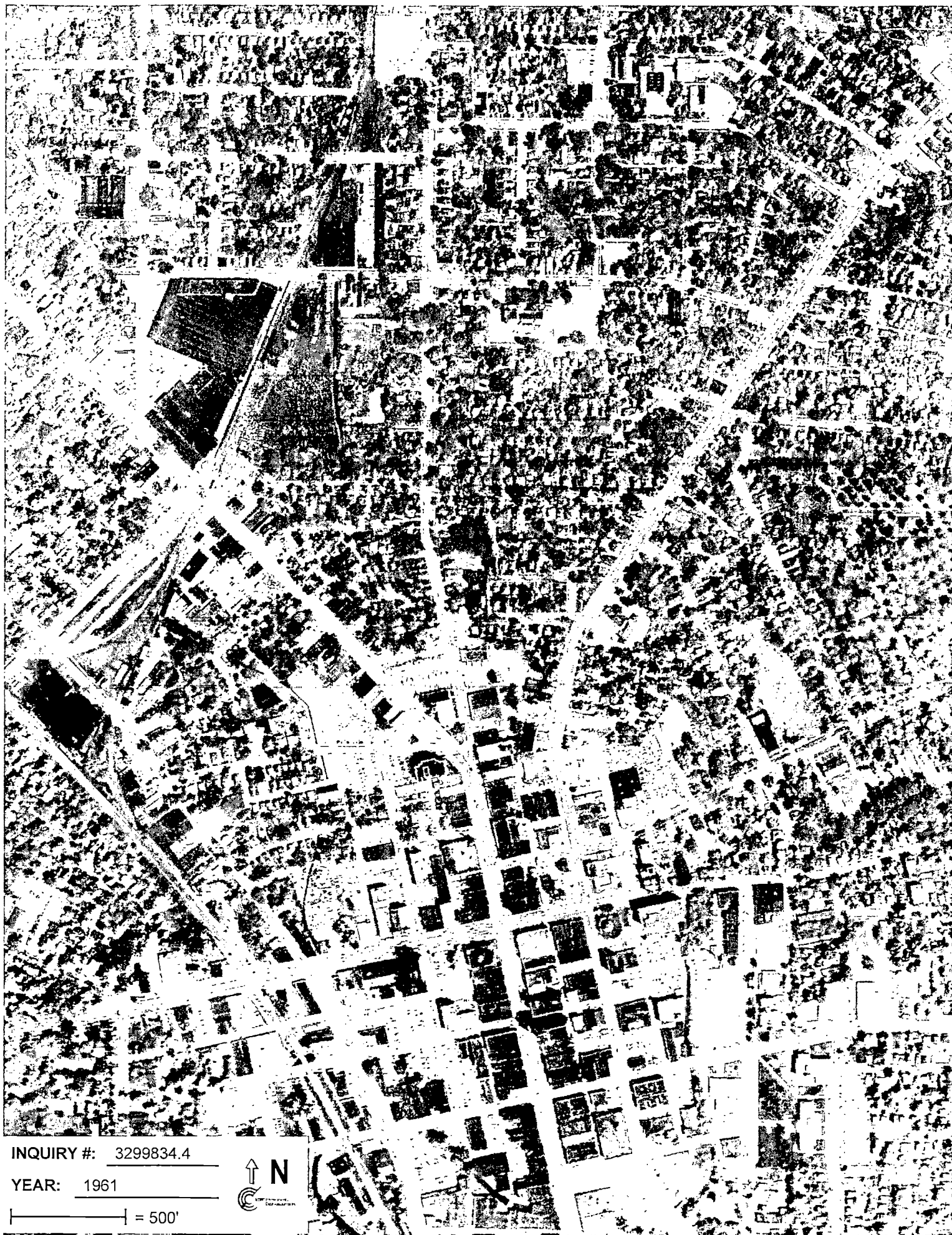


INQUIRY #: 3299834.4

YEAR: 1957

| = 500'





INQUIRY #: 3299834.4

YEAR: 1961

— = 500'



1963



Disclaimer: The information provided herewith has been compiled from recorded deeds, plats, tax maps, surveys and other public records. It is not a legally recorded map or survey and is not intended to be used as one. Users should consult the information sources mentioned above when questions arise.



L. Brooks Patterson
Oakland County Executive

Date Created 4/10/2012



1 inch = 100 feet



INQUIRY #: 3299834.4

YEAR: 1967

— = 500'





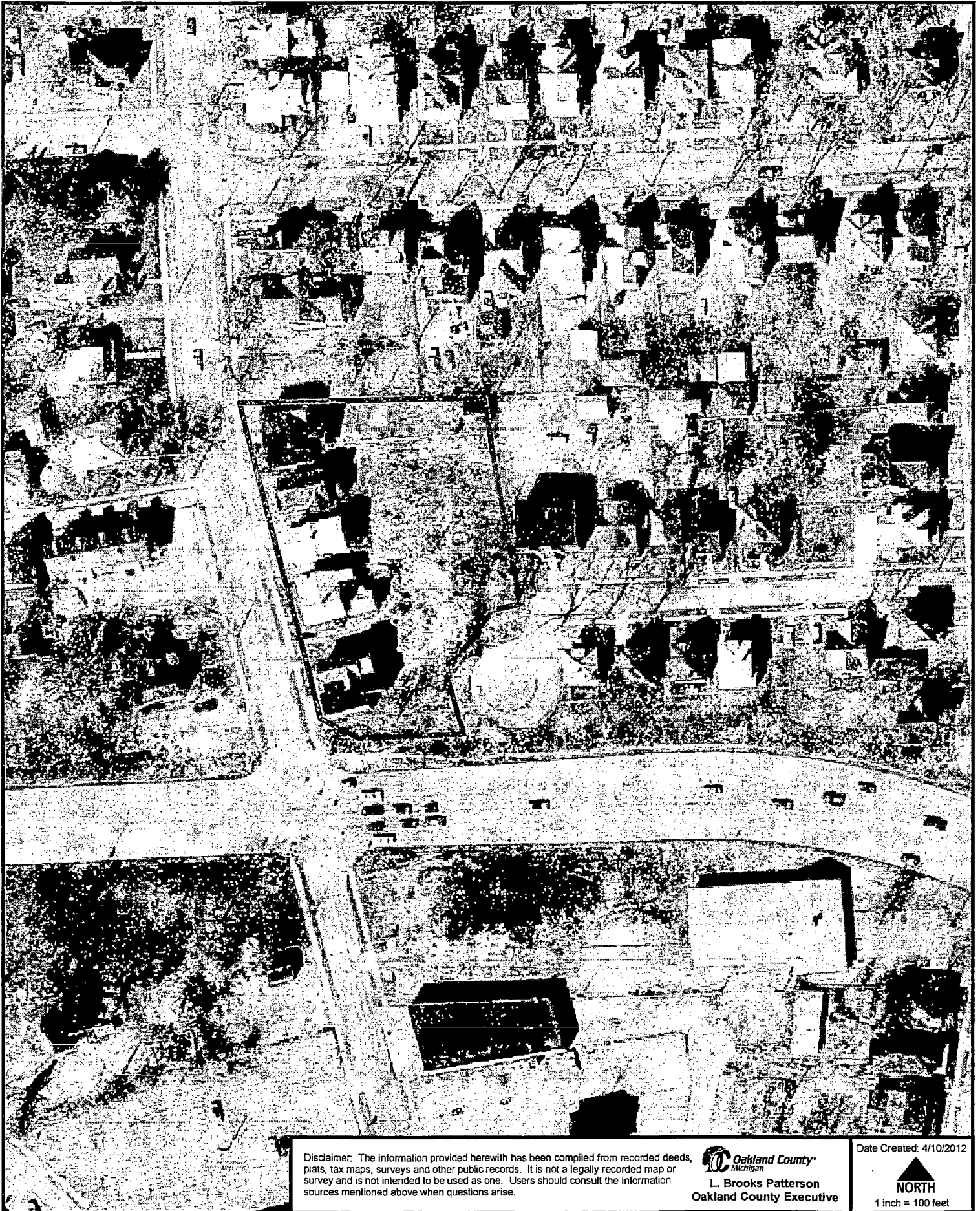
INQUIRY #: 3299834.4

YEAR: 1972

| = 600'



1974

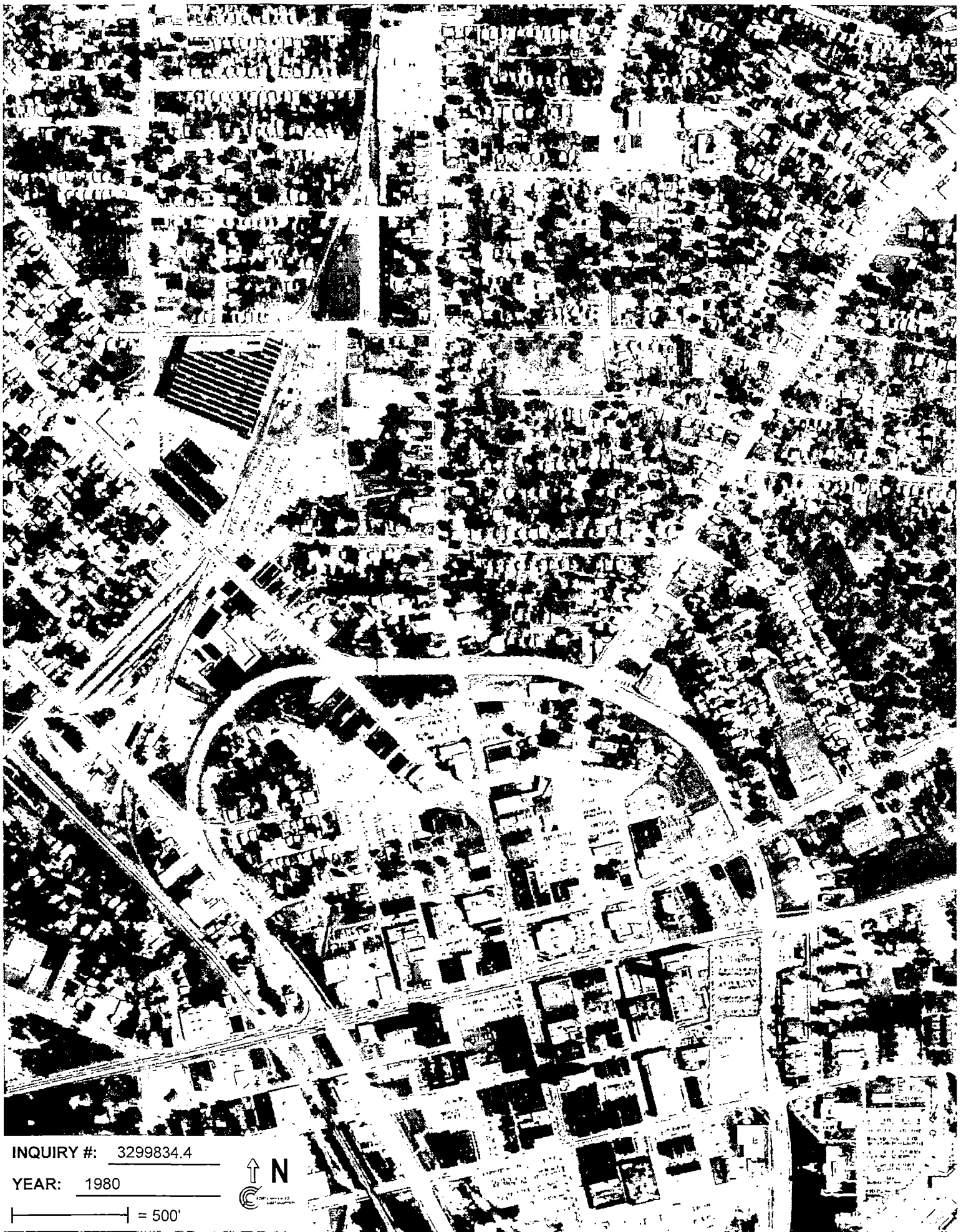


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 **Oakland County**
Michigan
L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012


NORTH
1 inch = 100 feet



INQUIRY #: 3299834.4

YEAR: 1980

| = 500'



1980



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L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012



1 inch = 100 feet

1990



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Oakland County
Michigan

L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012



1 inch = 100 feet



INQUIRY #: 3299834.4

YEAR: 1993

— = 600'





INQUIRY #: 3299834.4

YEAR: 1999

| = 500'





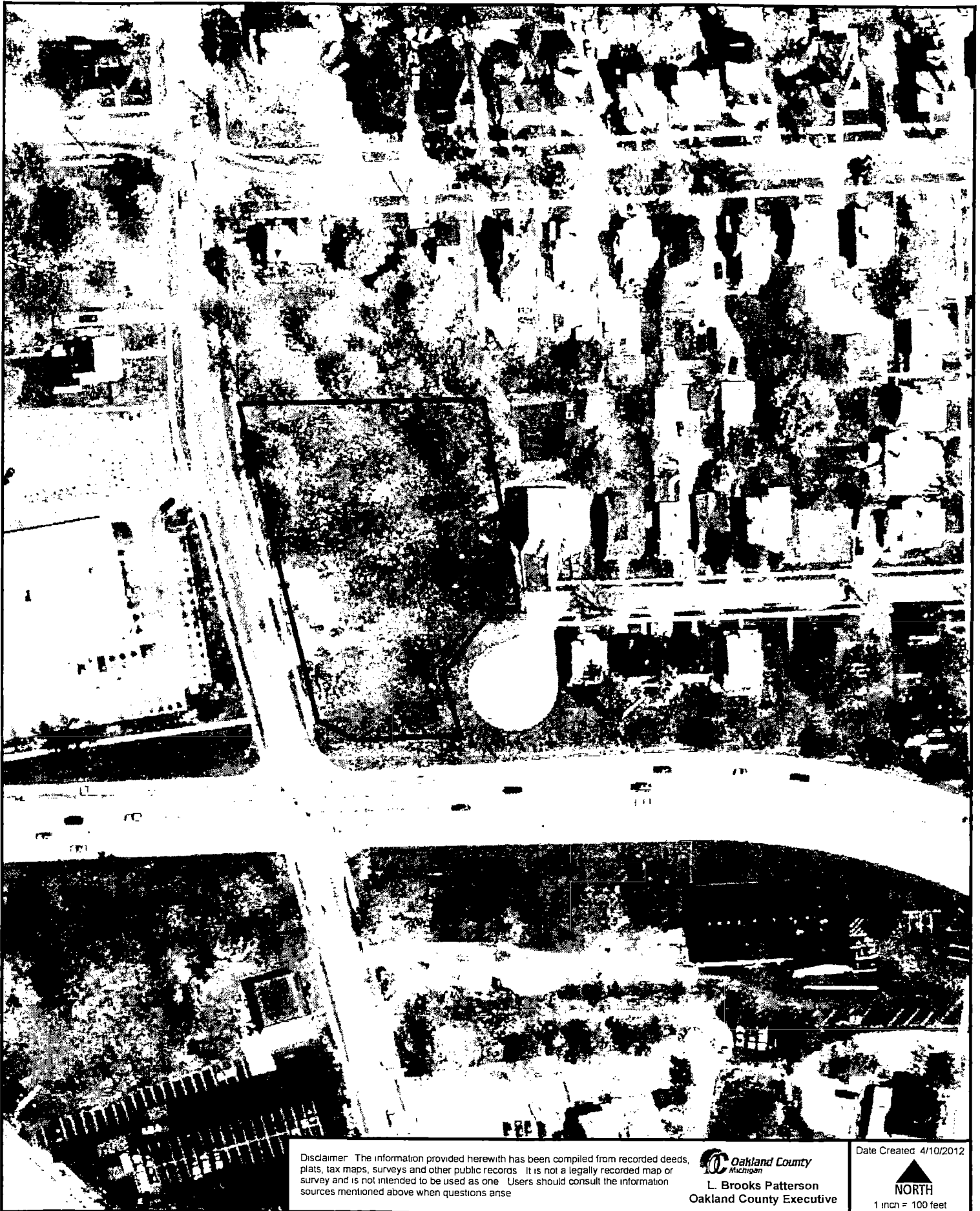
INQUIRY #: 3299834.4

YEAR: 2000

| = 500'



2000



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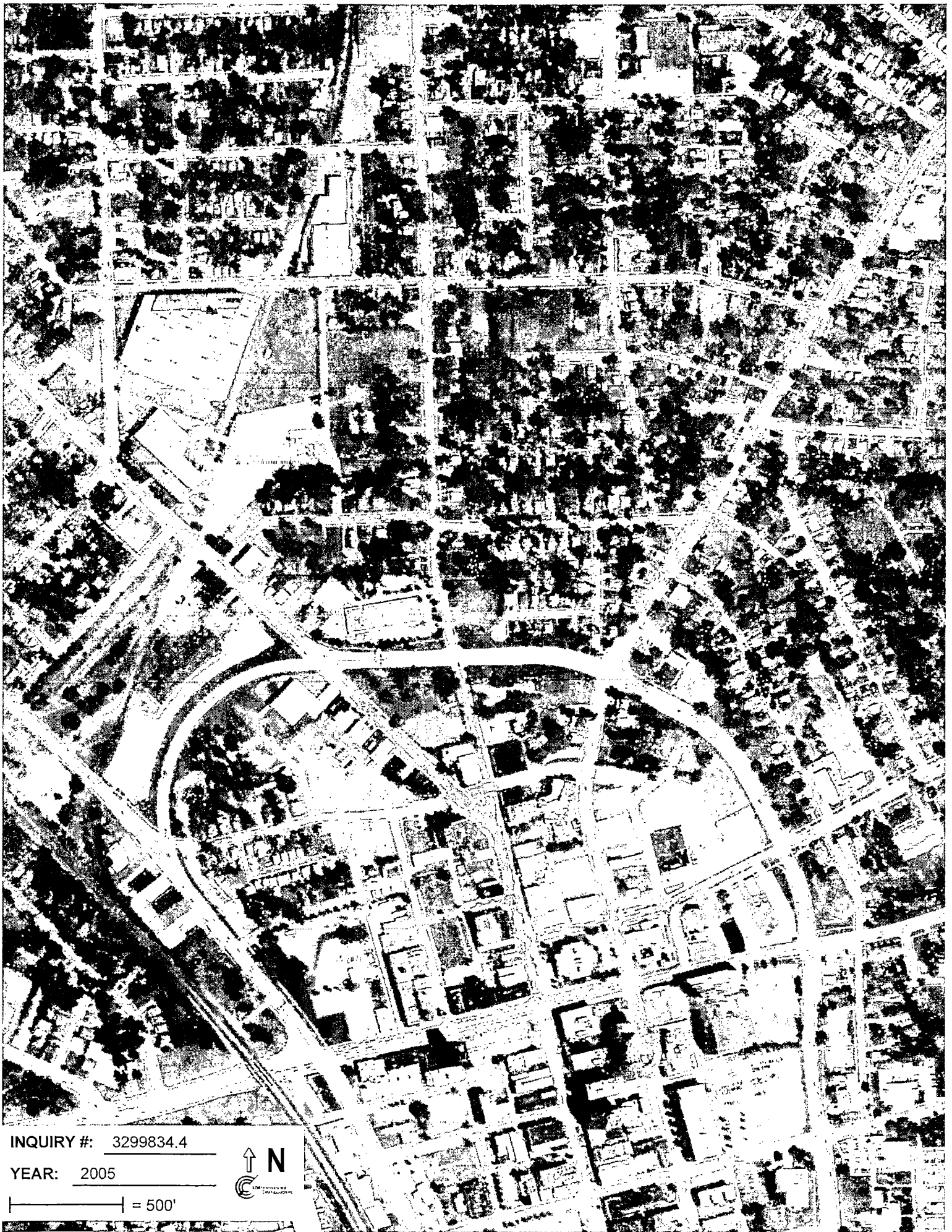


L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012



1 inch = 100 feet



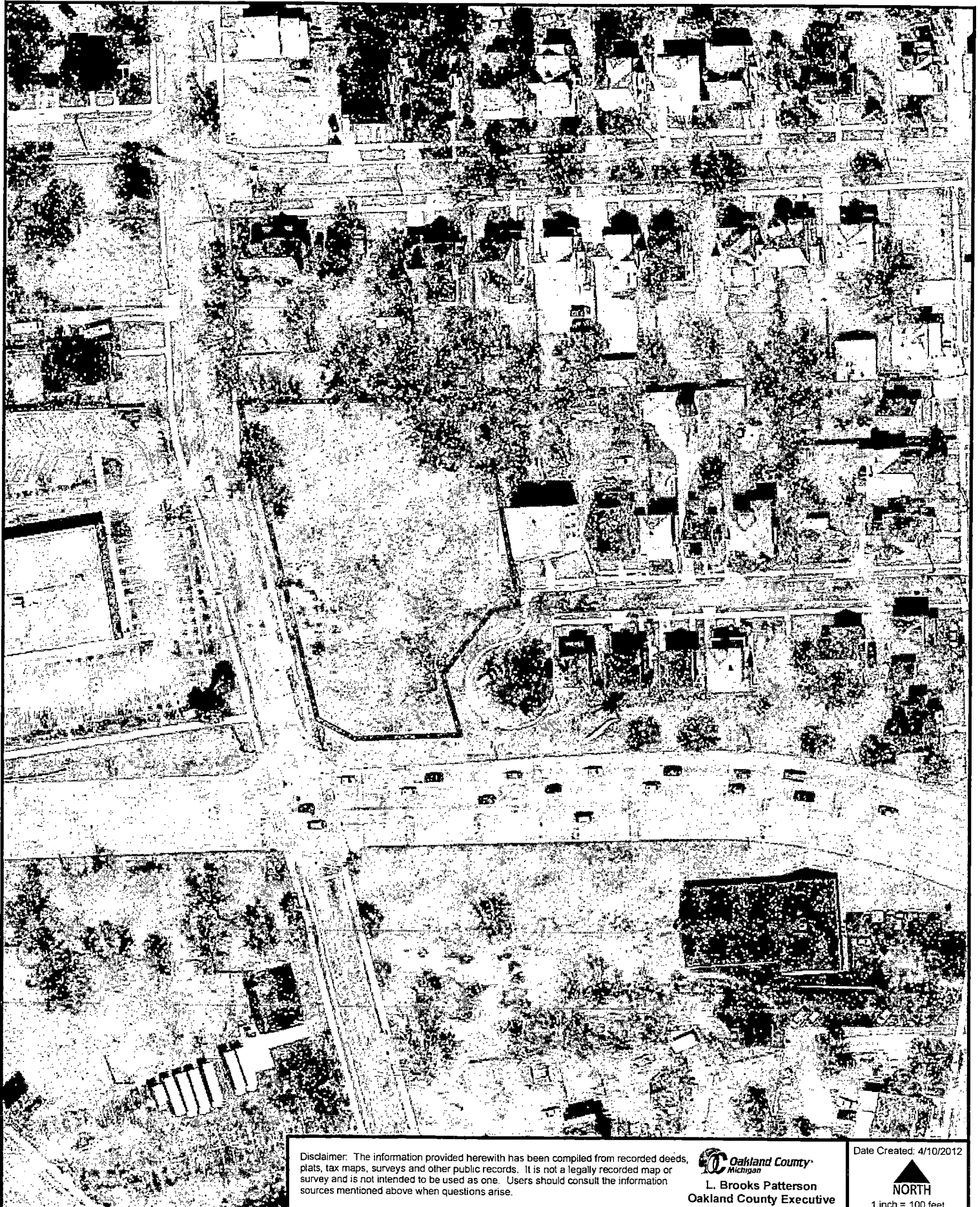
INQUIRY #: 3299834.4

YEAR: 2005

— = 500'



2006



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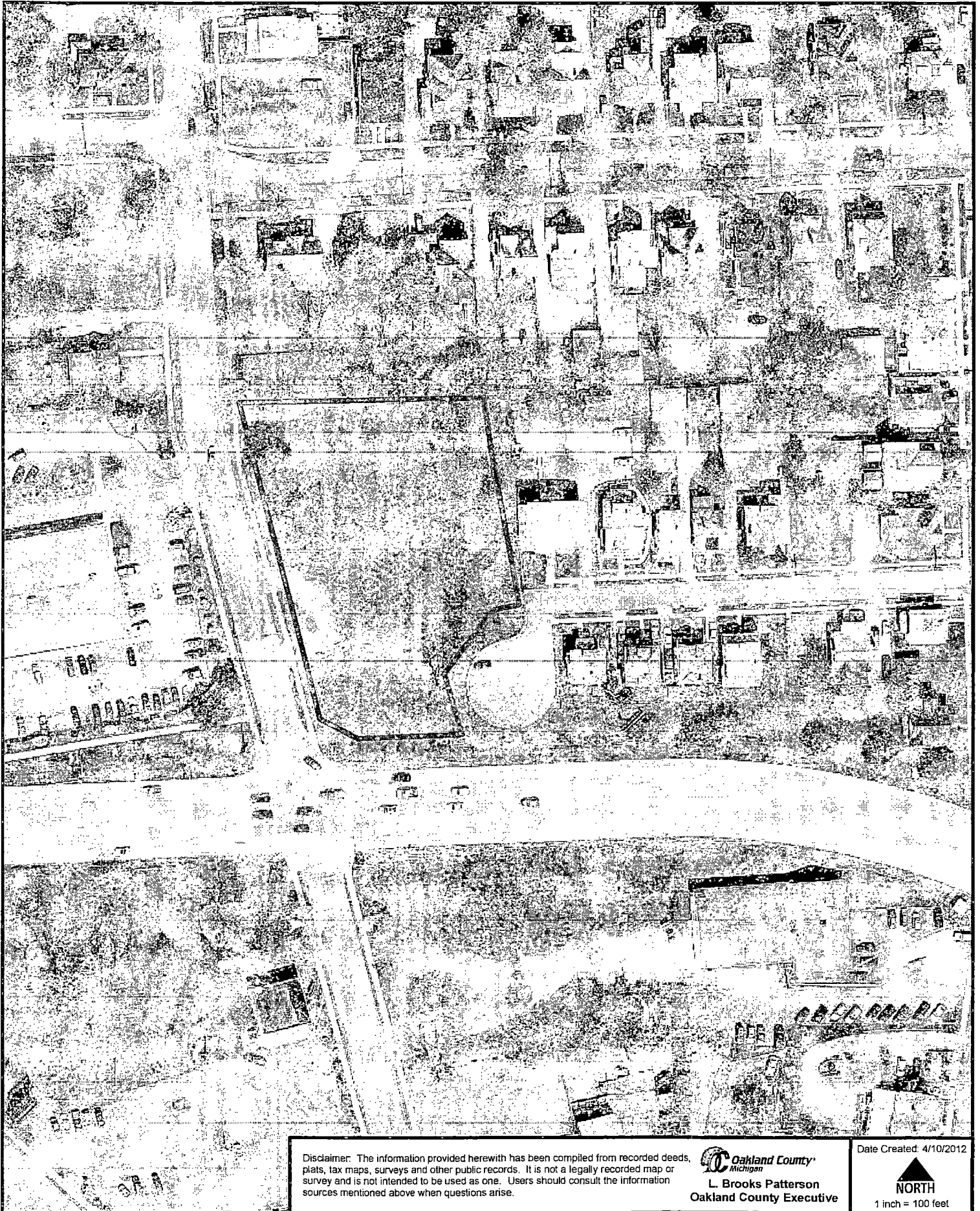
L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012



1 inch = 100 feet


2010



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 **Oakland County**
Michigan
L. Brooks Patterson
Oakland County Executive

Date Created: 4/10/2012


NORTH
1 inch = 100 feet

Vacant Parcel

Vacant Parcel

Pontiac, MI 48342

Inquiry Number: 3299834.3

April 10, 2012

Certified Sanborn® Map Report

Certified Sanborn® Map Report

4/10/12

Site Name:

Vacant Parcel
Vacant Parcel
Pontiac, MI 48342

Client Name:

Applied Science & Technology
10448 Citation Drive
Brighton, MI 48116



EDR® Environmental Data Resources Inc

EDR Inquiry # 3299834.3

Contact: Carey Kratz

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Certified Sanborn Results:

Site Name: Vacant Parcel
Address: Vacant Parcel
City, State, Zip: Pontiac, MI 48342
Cross Street:
P.O. # NA
Project: 7177-44
Certification # 527B-40FC-89B7



Sanborn® Library search results
Certification # 527B-40FC-89B7

Maps Provided:

1970 1903
1950 1898
1924
1919
1915
1909

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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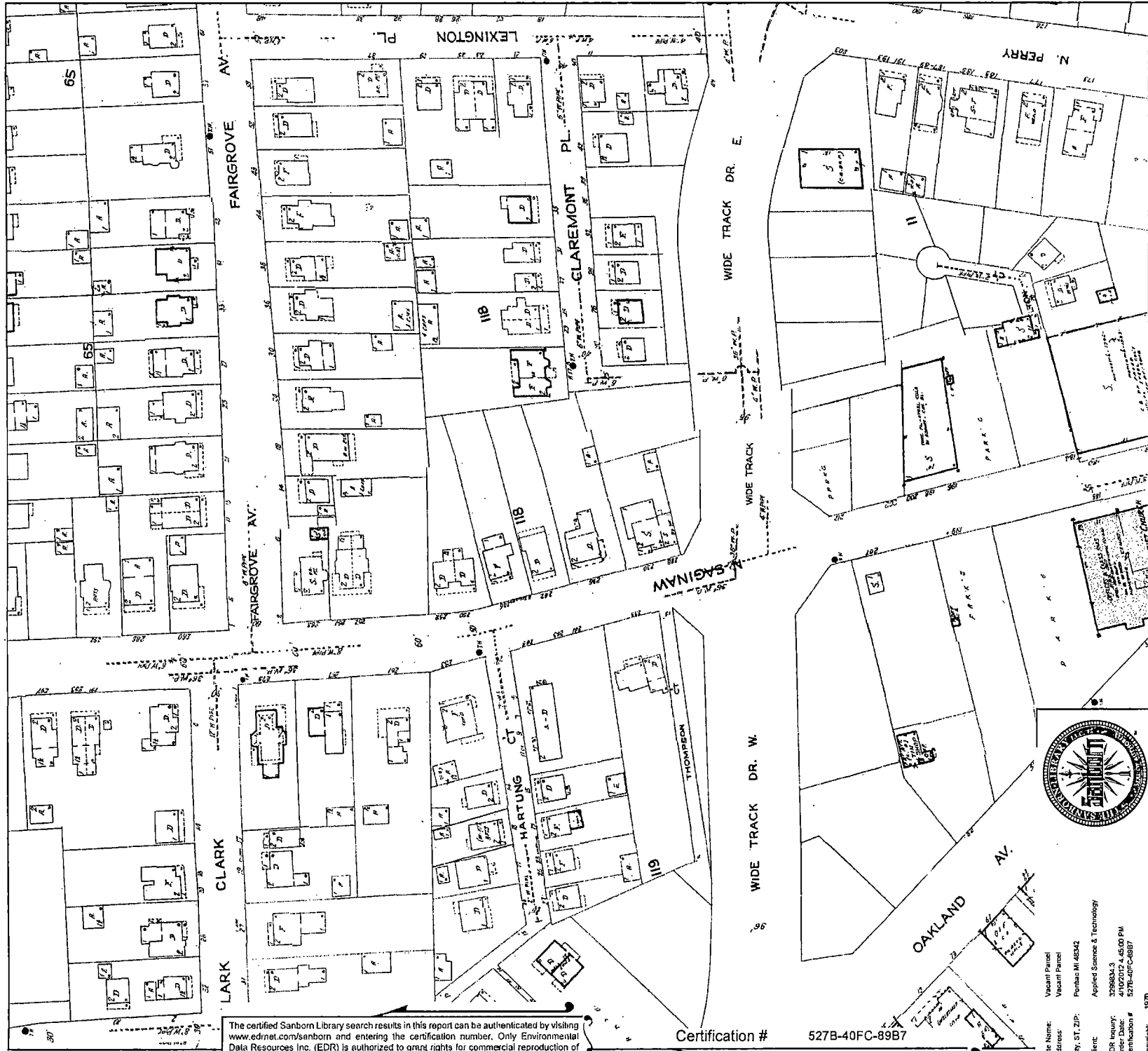
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1970 Certified Sanborn Map



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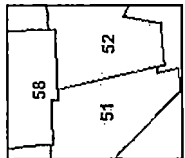
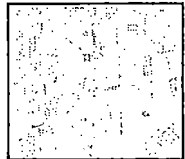
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Client:
EDR Inquiry:
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Certification #:
Copyright: 1970

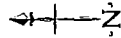
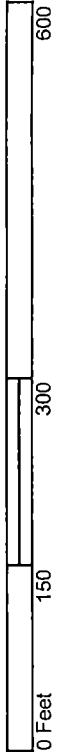
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Vacant Parcel:
Portage MI 48242
Applied Science & Technology
3298324.3
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Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 51
Volume 1, Sheet 52
Volume 1, Sheet 58



1950 Certified Sanborn Map

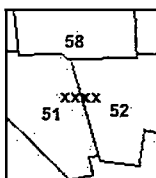


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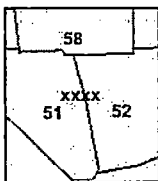
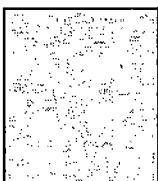
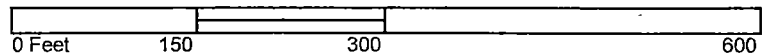
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1924 Certified Sanborn Map



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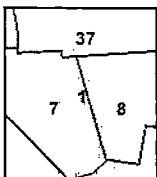
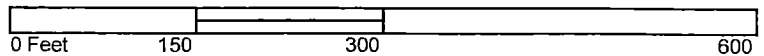
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1919 Certified Sanborn Map



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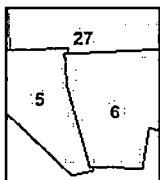
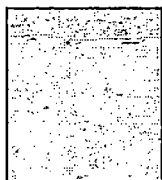
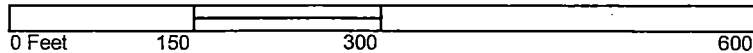
Volume 1, Sheet 37
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Volume 1, Sheet 7
Volume 1, Sheet 8



1915 Certified Sanborn Map



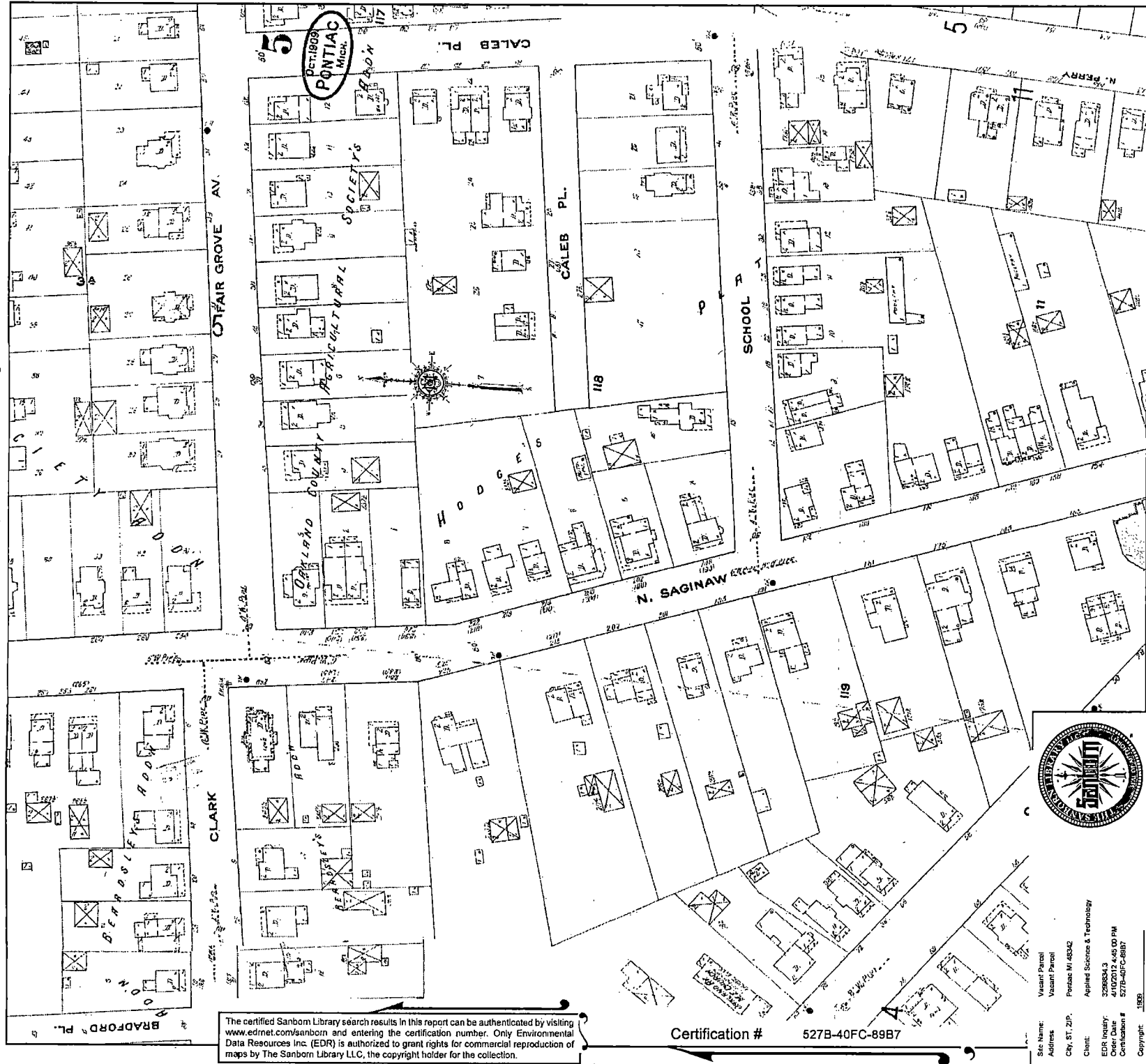
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Volume 1, Sheet 6
Volume 1, Sheet 27



1909 Certified Sanborn Map



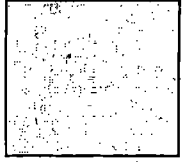
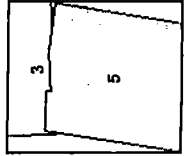
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Address: Vacant Parcel
City, ST, ZIP: Pontiac MI 48342
Client: Applied Source & Technology
EDR Inquiry: 3299834.3
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Copyright: 1909

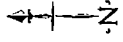


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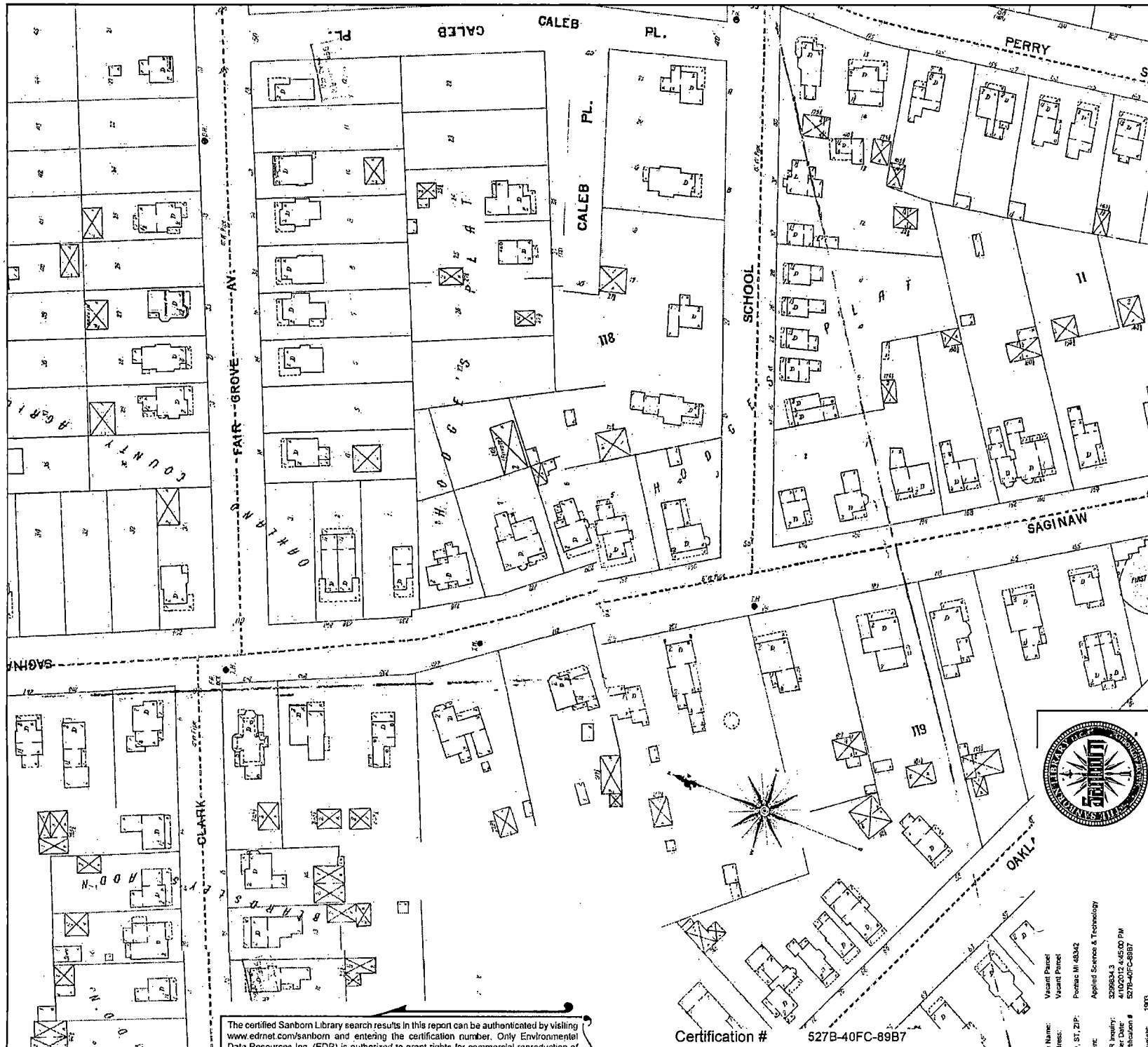


Volume 1, Sheet 3
Volume 1, Sheet 5

0 Feet 150 300 600



1903 Certified Sanborn Map



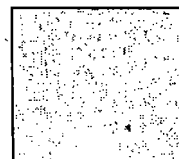
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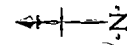
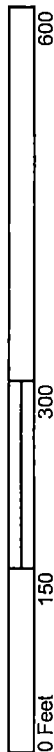
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 Address: Vicant Parcel
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Volume 1, Sheet 3
 Volume 1, Sheet 4



1898 Certified Sanborn Map

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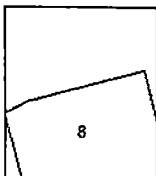
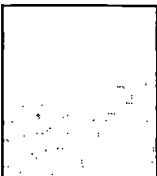
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Volume 1, Sheet 8



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